Attachment D

Construction Data and Chemical Analyses for Public Supply Wells

STRATFORD PUD

20/20-17

ORIGINAL
File with DWR

176

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do Not Fill In

№ 148864

State Well No. _____

Other Well No. _____

(1) OWNER:

Name Stratford Public Utility Dist.
Address 19681- Railroad Calif.
Stratford, Calif.

(2) LOCATION OF WELL:

County Kings Owner's number, if any

Township, Range, and Section:

Distance from cities, roads, railroads, etc. 200' S-100' E. of rail road Ave.

(3) TYPE OF WORK *(check)*:

New Well [X] Deepening [ ] Reconditioning [ ] Destroying [ ]

If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE *(check)*:

Domestic [ ] Industrial [ ] Municipal [X]
Irrigation [ ] Test Well [ ] Other [ ]

(5) EQUIPMENT:

Rotary Rev. [X]
Cable [ ]
Other [ ]

(6) CASING INSTALLED:

STEEL: X OTHER:
SINGLE [X] DOUBLE [ ]

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	580	18	¼	28	0	610

If gravel packed

Size of shoe or well ring: bullnose Size of gravel: 5/16x16

Describe joint

(7) PERFORATIONS OR SCREEN:

Type of perforation or name of screen Louver

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
400	580	8	4½	1/8x2 3/8

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes [X] No [ ] To what depth 400 ft.

Were any strata sealed against pollution? Yes [ ] No [ ] If yes, note depth of strata

From ft. to ft.

From ft. to ft.

Method of sealing

(9) WATER LEVELS:

Depth at which water was first found, if known ft.

Standing level before perforating, if known ft.

Standing level after perforation and developing ft.

(10) WELL TESTS:

Was pump test made? Yes [ ] No [X] If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

Was electric log made of well? Yes [ ] No [ ] If yes, attach copy

(11) WELL LOG:

Total depth 610 ft. Depth of completed well 580 ft.

Formation: *Describe by color, character, size of material, and structure*

ft. to	ft.	
0	10	sand
10	15	clay
15	20	sand
20	90	clay
90	120	blue clay
120	160	clay
160	180	blue clay
180	230	clay
230	240	blue clay
240	275	clay
275	285	blue clay
285	290	clay
290	295	blue clay
295	438	clay
438	440	sand 2
440	449	clay
449	451	sand 2
451	454	clay
454	456	sand 2
456	505	clay
505	511	sand 6
511	530	clay
530	565	sand 35
565	610	clay

UNCONFINED

Work started Aug. 10, 19 76 Completed Aug. 14, 19 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Grabow Well Drilling Co. Inc.
(Person, firm, or corporation) *(Typed or printed)*

Address 12522-9th Ave.
Hanford, Calif.

[SIGNED] Dean Grabow
(Well Driller)

License No. 288489 Dated Aug. 19, 19 76

SKETCH LOCATION OF WELL ON REVERSE SIDE

DWR 188 (REV. 9-68)

9-72 20M TRIP OT OSP

ORIGINAL
File with DWR

17K

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 816228

DWR USE ONLY — DO NOT FILL IN
20S/20E-17
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Page 1 of 3

Owner's Well No. 7734

Date Work Began 6/13/2005, Ended 6/20/2005

Local Permit Agency KINGS COUNTY PLANNING AGENCY

Permit No. W0408-017 Permit Date 6/7/2005

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)

DRILLING METHOD REVERSE FLUID WATER

DEPTH FROM SURFACE Ft. to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
0 – 5	TOP SOIL WITH SAND
5 – 8	SAND
8 – 20	GRAY CLAY
20 – 60	TAN CLAY
60 – 150	SOFT BLUE CLAY
150 – 240	SOFT BROWN CLAY
240 – 420	SOFT GRAY CLAY WITH SAND
420 – 465	SAND
465 – 480	GRAY CLAY
480 – 560	SAND
560 – 570	BLUE CLAY WITH SAND STREAK
570 – 660	GRAY BLUE CLAY (CORCORAN)
660 – 720	SAND
720 – 750	GRAY BLUE CLAY
750 – 950	GRAY BLUE CLAY WITH SAND STREAKS
950 – 1010	SAND
1010 – 1112	GRAY BLUE CLAY WITH SAND AND BRITTLE CLAY STREAKS
1112 – 1142	SAND
1142 – 1190	GRAY BLUE CLAY
1190 – 1230	SAND WITH GRAY BLUE CLAY STREAKS
1230 – 1250	GRAY BLUE CLAY
1250 – 1270	SAND
1270 – 1305	GRAY BLUE CLAY WITH SAND AND BRITTLE CLAY STREAKS

TOTAL DEPTH OF BORING 1250 (Feet)

TOTAL DEPTH OF COMPLETED WELL 1190 (Feet)

WELL OWNER

Name STRATFORD PUBLIC UTILITIES

Mailing Address PO BOX 85

STRATFORD CA 93266
CITY STATE ZIP

WELL LOCATION

Address 180' EOF RAILROAD ST & 185' NOF 5TH ST

City CA

County KINGS

APN Book 026 Page 154 Parcel 015

Township 20 S Range 20 E Section 17

Latitude ___ DEG. ___ MIN. ___ SEC. ___ DEG. ___ MIN. ___ SEC.

LOCATION SKETCH

NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)

✓ NEW WELL

MODIFICATION/REPAIR
— Deepen
— Other (Specify)

— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY
— Domestic — Public
— Irrigation — Industrial

— MONITORING
— TEST WELL
— CATHODIC PROTECTION
— HEAT EXCHANGE
— DIRECT PUSH
— INJECTION
— VAPOR EXTRACTION
— SPARGING
— REMEDIATION
OTHER (SPECIFY) ✓ MUN

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 197 (Ft.) & DATE MEASURED 6/28/2005

ESTIMATED YIELD 1000 (GPM) & TEST TYPE ___

TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN 58 (Ft.)

May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0 – 500	28					ACCESS TB	2	SCH 40	
0 – 300	28	✓				ASTM-135	16	.312	
300 – 660	28	✓				ASTM-135	16	.375	
660 – 720	28		✓			DBL MILLSL	16	.375	.060
720 – 780	28/24	✓				ASTM-135	12-3/4	.312	
780 – 800	24		✓			DBL MILLSL	12-3/4	.312	.060

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft. to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0 – 620	✓			SAND SLURRY
620 – 1250			✓	SRI#8 SAND

ATTACHMENTS (✓)

— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other ___

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME EATON DRILLING CO.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

20 W. KENTUCKY AVE. WOODLAND CA 95695
ADDRESS CITY STATE ZIP

Signed Mark Dawson 07/14/05 C57 A HIC - 133783
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 2 of 3

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. 816228

DWR USE ONLY — DO NOT FILL IN
20S/20E-17J
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. 7734
Date Work Began 6/13/2005, Ended 6/20/2005
Local Permit Agency KINGS COUNTY PLANNING AGENCY
Permit No. W0408-017 Permit Date 6/7/2005

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD REVERSE FLUID WATER

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
0	5	TOP SOIL WITH SAND
5	8	SAND
8	20	GRAY CLAY
20	60	TAN CLAY
60	150	SOFT BLUE CLAY
150	240	SOFT BROWN CLAY
240	420	SOFT GRAY CLAY WITH SAND
420	465	SAND
465	480	GRAY CLAY
480	560	SAND
560	570	BLUE CLAY WITH SAND STREAK
570	660	GRAY BLUE CLAY (CORCORAN)
660	720	SAND
720	750	GRAY BLUE CLAY
750	950	GRAY BLUE CLAY WITH SAND STREAKS
950	1010	SAND
1010	1112	GRAY BLUE CLAY WITH SAND AND BRITTLE CLAY STREAKS
1112	1142	SAND
1142	1190	GRAY BLUE CLAY
1190	1230	SAND WITH GRAY BLUE CLAY STREAKS
1230	1250	GRAY BLUE CLAY
1250	1270	SAND
1270	1305	GRAY BLUE CLAY WITH SAND AND BRITTLE CLAY STREAKS

TOTAL DEPTH OF BORING 1250 (Feet)
TOTAL DEPTH OF COMPLETED WELL 1190 (Feet)

WELL OWNER
Name STRATFORD PUBLIC UTILITIES
Mailing Address PO BOX 85
STRATFORD CA 93266
CITY STATE ZIP

WELL LOCATION
Address 180' EOF RAILROAD ST & 185' NOF 5TH ST
City CA
County KINGS
APN Book 026 Page 154 Parcel 015
Township 20 S Range 20 E Section 17
Latitude ___ DEG. ___ MIN. ___ SEC. ___ DEG. ___ MIN. ___ SEC.

LOCATION SKETCH
NORTH / WEST / EAST / SOUTH
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)
WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING ___
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ✓
MUN

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 197 (Ft.) & DATE MEASURED 6/28/2005
ESTIMATED YIELD * 1000 (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN 58 (Ft.)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
800	900	24	✓				ASTM-135	12-3/4	.312	
900	920	24		✓			DBL MILLSL	12-3/4	.312	.060
920	930	24	✓				ASTM-135	12-3/4	.312	
930	940	24					SLIP JOINT	12-3/4		
940	950	24	✓				ASTM-135	12-3/4	.312	
950	1170	24		✓			DBL MILLSL	12-3/4	.312	.060

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	620	✓			SAND SLURRY
620	1250			✓	SRI#8 SAND

ATTACHMENTS (✓)
___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analysis
___ Other ___
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME EATON DRILLING CO.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
20 W. KENTUCKY AVE WOODLAND CA 95695
ADDRESS CITY STATE ZIP
Signed Mark Davis 07/14/05
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED
C57 A HIC - 133783
C-57 LICENSE NUMBER

DWR 188 REV. 11-97
IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

RIGINAL
File with DWR

Page 3 of 3

STATE OF CALIFORNIA
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STATE WELL NO./ STATION NO.
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Owner's Well No. 7734
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ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)
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TOTAL DEPTH OF BORING 1250 (Feet)
TOTAL DEPTH OF COMPLETED WELL 1190 (Feet)

WELL OWNER
Name STRATFORD PUBLIC UTILITIES
Mailing Address PO BOX 85
CITY STRATFORD STATE CA ZIP 93266

WELL LOCATION
Address 180' EOF RAILROAD ST & 185' NOF 5TH ST
City CA
County KINGS
APN Book 026 Page 154 Parcel 015
Township 20 S Range 20 E Section 17
Latitude DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH
NORTH / WEST / EAST / SOUTH
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify)
— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)
WATER SUPPLY
— Domestic — Public
— Irrigation — Industrial
— MONITORING
— TEST WELL
— CATHODIC PROTECTION
— HEAT EXCHANGE
— DIRECT PUSH
— INJECTION
— VAPOR EXTRACTION
— SPARGING
— REMEDIATION
OTHER (SPECIFY) ✓ MUN

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER — (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 197 (Ft.) & DATE MEASURED 6/28/2005
ESTIMATED YIELD * 1000 (GPM) & TEST TYPE
TEST LENGTH — (Hrs.) TOTAL DRAWDOWN 58 (Ft.)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
1170	1190	24	✓				ASTM-135	12-3/4	.312	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
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620	1250			✓	SRI#8 SAND

ATTACHMENTS (✓)
— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME EATON DRILLING CO. (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 20 W. KENTUCKY AVE CITY WOODLAND STATE CA ZIP 95695
Signed Mark Damion WELL DRILLER/AUTHORIZED REPRESENTATIVE
DATE SIGNED 07/14/05
C-57 LICENSE NUMBER C57 A HIC - 133783

DWR 188 REV. 11-97
IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD
SOURCE NO: 001 NAME: WELL 05 - RAW

COUNTY: KINGS
PSCODE: 1610006-001 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION / CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
GP SECONDARY/GP							
82383 AGGRSSIVE INDEX (CORROSIVITY)	12/16/2011		12.0000	----------	----------	----------	
00440 BICARBONATE ALKALINITY	12/16/2011		330.0000	----------	----------	----------	MG/L
00916 CALCIUM	12/16/2011		20.0000	----------	----------	----------	MG/L
00445 CARBONATE ALKALINITY	12/16/2011	<	.0000	----------	----------	----------	MG/L
00940 CHLORIDE	12/16/2011		51.0000	600.0000	----------	500.0000	MG/L
00081 COLOR	11/11/2011		45.0000	15.0000	----------	15.0000	UNITS
01042 COPPER	12/16/2011	<	.0000	1,000.0000	50.0000	1,000.0000	UG/L
38260 FOAMING AGENTS (MBAS)	12/16/2011	<	.0000	.5000	----------	.5000	MG/L
00900 HARDNESS (TOTAL) AS CACO3	12/16/2011		65.0000	----------	----------	----------	MG/L
71830 HYDROXIDE ALKALINITY	12/16/2011	<	.0000	----------	----------	----------	MG/L
01045 IRON	12/16/2011	<	.0000	300.0000	100.0000	300.0000	UG/L
00927 MAGNESIUM	12/16/2011		3.9000	----------	----------	----------	MG/L
01055 MANGANESE	12/16/2011		99.0000	50.0000	20.0000	50.0000	UG/L
00086 ODOR THRESHOLD @ 60 C	11/11/2011	<	.0000	3.0000	1.0000	3.0000	TON
00403 PH, LABORATORY	12/16/2011		8.3000	----------	----------	----------	
01077 SILVER	12/16/2011	<	.0000	100.0000	10.0000	100.0000	UG/L
00929 SODIUM	12/16/2011		240.0000	----------	----------	----------	MG/L
00095 SPECIFIC CONDUCTANCE	12/16/2011		1,100.0000	2,200.0000	----------	1,600.0000	US
00945 SULFATE	12/16/2011		170.0000	600.0000	500.0000	600.0000	MG/L
70300 TOTAL DISSOLVED SOLIDS	12/16/2011		750.0000	1,500.0000	----------	1,000.0000	MG/L
82079 TURBIDITY, LABORATORY	11/11/2011	<	.0000	5.0000	----------	5.0000	NTU
01092 ZINC	12/16/2011	<	.0000	5,000.0000	50.0000	5,000.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS
SOURCE NO: 001 NAME: WELL 05 - RAW PSCODE: 1610006-001 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION / CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
IO INORGANIC							
01105 ALUMINUM	07/13/2011	<	.0000	1,000.0000	50.0000	200.0000	UG/L
01097 ANTIMONY	07/13/2011	<	.0000	6.0000	6.0000	6.0000	UG/L
01002 ARSENIC	11/11/2011		3.4000	10.0000	2.0000	5.0000	UG/L
01007 BARIUM	07/13/2011	<	.0000	1,000.0000	100.0000	1,000.0000	UG/L
01012 BERYLLIUM	07/13/2011	<	.0000	4.0000	1.0000	4.0000	UG/L
01027 CADMIUM	07/13/2011	<	.0000	5.0000	1.0000	5.0000	UG/L
01034 CHROMIUM (TOTAL)	07/13/2011	<	.0000	50.0000	10.0000	50.0000	UG/L
01032 CHROMIUM, HEXAVALENT	06/13/2002		.0000	----------	----------	----------	UG/L
01291 CYANIDE	07/13/2011	<	.0000	150.0000	100.0000	150.0000	UG/L
00951 FLUORIDE (F) (NATURAL-SOURCE)	07/13/2011		.1400	2.0000	.1000	2.0000	MG/L
01051 LEAD	07/13/2011	<	.0000	----------	5.0000	15.0000	UG/L
71900 MERCURY	07/13/2011	<	.0000	2.0000	1.0000	2.0000	UG/L
01067 NICKEL	07/13/2011	<	.0000	100.0000	10.0000	100.0000	UG/L
A-031 PERCHLORATE	11/11/2011	<	.0000	6.0000	4.0000	4.0000	UG/L
01147 SELENIUM	07/13/2011	<	.0000	50.0000	5.0000	50.0000	UG/L
01059 THALLIUM	07/13/2011	<	.0000	2.0000	1.0000	2.0000	UG/L
NI NITRATE/NITRITE							
71850 NITRATE (AS NO3)	07/13/2011	<	.0000	45.0000	2.0000	23.0000	MG/L
A-029 NITRATE + NITRITE (AS N)	08/15/2002		.0000	10,000.0000	400.0000	5,000.0000	UG/L
00620 NITRITE (AS N)	07/13/2011	<	.0000	1,000.0000	400.0000	500.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS
SOURCE NO: 002 NAME: WELL 06 - RAW (COLPSD06)REHB 0 PSCODE: 1610006-002 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION / CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
GP SECONDARY/GP							
82383 AGGRSSIVE INDEX (CORROSIVITY)	06/18/2008		12.0000	----------	----------	----------	
00440 BICARBONATE ALKALINITY	06/18/2008		290.0000	----------	----------	----------	MG/L
00916 CALCIUM	06/18/2008		20.0000	----------	----------	----------	MG/L
00445 CARBONATE ALKALINITY	06/18/2008		4.2000	----------	----------	----------	MG/L
00940 CHLORIDE	06/18/2008		41.0000	600.0000	----------	500.0000	MG/L
00081 COLOR	06/18/2008		25.0000	15.0000	----------	15.0000	UNITS
01042 COPPER	06/18/2008		.0000	1,000.0000	50.0000	1,000.0000	UG/L
38260 FOAMING AGENTS (MBAS)	06/18/2008	<	.0500	.5000	----------	.5000	MG/L
00900 HARDNESS (TOTAL) AS CACO3	06/18/2008		70.0000	----------	----------	----------	MG/L
71830 HYDROXIDE ALKALINITY	06/18/2008	<	1.0000	----------	----------	----------	MG/L
01045 IRON	06/18/2008		140.0000	300.0000	100.0000	300.0000	UG/L
00927 MAGNESIUM	06/18/2008		4.8000	----------	----------	----------	MG/L
01055 MANGANESE	09/02/2009		320.0000	50.0000	20.0000	50.0000	UG/L
00086 ODOR THRESHOLD @ 60 C	06/18/2008		.0000	3.0000	1.0000	3.0000	TON
00403 PH, LABORATORY	06/18/2008		8.4000	----------	----------	----------	
01077 SILVER	06/18/2008		.0000	100.0000	10.0000	100.0000	UG/L
00929 SODIUM	06/18/2008		280.0000	----------	----------	----------	MG/L
00095 SPECIFIC CONDUCTANCE	10/01/2008		1,100.0000	2,200.0000	----------	1,600.0000	US
00945 SULFATE	06/18/2008		340.0000	600.0000	500.0000	600.0000	MG/L
70300 TOTAL DISSOLVED SOLIDS	06/18/2008		870.0000	1,500.0000	----------	1,000.0000	MG/L
82079 TURBIDITY, LABORATORY	06/18/2008		.4700	5.0000	----------	5.0000	NTU
01092 ZINC	06/18/2008		.0000	5,000.0000	50.0000	5,000.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS
SOURCE NO: 002 NAME: WELL 06 - RAW (COLPSD06)REHB 0 PSCODE: 1610006-002 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION / CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
IO INORGANIC							
01105 ALUMINUM	06/18/2008		.0000	1,000.0000	50.0000	200.0000	UG/L
01097 ANTIMONY	06/18/2008		.0000	6.0000	6.0000	6.0000	UG/L
01002 ARSENIC	09/02/2009		13.0000	10.0000	2.0000	5.0000	UG/L
01007 BARIUM	06/18/2008		.0000	1,000.0000	100.0000	1,000.0000	UG/L
01012 BERYLLIUM	06/18/2008		.0000	4.0000	1.0000	4.0000	UG/L
01027 CADMIUM	06/18/2008		.0000	5.0000	1.0000	5.0000	UG/L
01034 CHROMIUM (TOTAL)	06/18/2008		.0000	50.0000	10.0000	50.0000	UG/L
01032 CHROMIUM, HEXAVALENT	06/13/2002		.0000	----------	----------	----------	UG/L
01291 CYANIDE	06/18/2008		.0000	150.0000	100.0000	150.0000	UG/L
00951 FLUORIDE (F) (NATURAL-SOURCE)	06/18/2008		.3100	2.0000	.1000	2.0000	MG/L
01051 LEAD	06/18/2008		.0000	----------	5.0000	15.0000	UG/L
71900 MERCURY	06/18/2008		.0000	2.0000	1.0000	2.0000	UG/L
01067 NICKEL	06/18/2008		.0000	100.0000	10.0000	100.0000	UG/L
A-031 PERCHLORATE	10/01/2008		.0000	6.0000	4.0000	4.0000	UG/L
01147 SELENIUM	06/18/2008		.0000	50.0000	5.0000	50.0000	UG/L
01059 THALLIUM	06/18/2008		.0000	2.0000	1.0000	2.0000	UG/L
NI NITRATE/NITRITE							
71850 NITRATE (AS NO3)	09/02/2009	<	3.0000	45.0000	2.0000	23.0000	MG/L
A-029 NITRATE + NITRITE (AS N)	08/15/2002		.0000	10,000.0000	400.0000	5,000.0000	UG/L
00620 NITRITE (AS N)	06/18/2008		.0000	1,000.0000	400.0000	500.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD
SOURCE NO: 005 NAME: WELL 07 - RAW

COUNTY: KINGS
PSCODE: 1610006-005 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION / CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
GP SECONDARY/GP							
82383 AGGRSSIVE INDEX (CORROSIVITY)	12/16/2011		12.0000	----------	----------	----------	
00440 BICARBONATE ALKALINITY	12/16/2011		440.0000	----------	----------	----------	MG/L
00916 CALCIUM	12/16/2011		6.4000	----------	----------	----------	MG/L
00445 CARBONATE ALKALINITY	12/16/2011		20.0000	----------	----------	----------	MG/L
00940 CHLORIDE	12/16/2011		45.0000	600.0000	----------	500.0000	MG/L
00081 COLOR	11/11/2011		45.0000	15.0000	----------	15.0000	UNITS
01042 COPPER	12/16/2011		390.0000	1,000.0000	50.0000	1,000.0000	UG/L
38260 FOAMING AGENTS (MBAS)	12/16/2011	<	.0000	.5000	----------	.5000	MG/L
00900 HARDNESS (TOTAL) AS CACO3	12/16/2011		28.0000	----------	----------	----------	MG/L
71830 HYDROXIDE ALKALINITY	12/16/2011	<	.0000	----------	----------	----------	MG/L
01045 IRON	12/16/2011		1,300.0000	300.0000	100.0000	300.0000	UG/L
00927 MAGNESIUM	12/16/2011		2.9000	----------	----------	----------	MG/L
01055 MANGANESE	12/16/2011		48.0000	50.0000	20.0000	50.0000	UG/L
00086 ODOR THRESHOLD @ 60 C	11/11/2011		1.0000	3.0000	1.0000	3.0000	TON
00403 PH, LABORATORY	12/16/2011		8.6000	----------	----------	----------	
01077 SILVER	12/16/2011	<	.0000	100.0000	10.0000	100.0000	UG/L
00929 SODIUM	12/16/2011		210.0000	----------	----------	----------	MG/L
00095 SPECIFIC CONDUCTANCE	12/16/2011		930.0000	2,200.0000	----------	1,600.0000	US
00945 SULFATE	12/16/2011		7.8000	600.0000	500.0000	600.0000	MG/L
70300 TOTAL DISSOLVED SOLIDS	12/16/2011		550.0000	1,500.0000	----------	1,000.0000	MG/L
82079 TURBIDITY, LABORATORY	11/11/2011		4.0000	5.0000	----------	5.0000	NTU
01092 ZINC	12/16/2011	<	.0000	5,000.0000	50.0000	5,000.0000	UG/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
LAST SAMPLE FOR ALL CONSTITUENTS - ALL RESULTS
REPORT OF COUNTY: 16 KINGS

SYSTEM NO: 1610006 NAME: STRATFORD PUD COUNTY: KINGS
SOURCE NO: 005 NAME: WELL 07 - RAW PSCODE: 1610006-005 CLASS: CMGA STATUS: AR

GROUP IDENTIFICATION / CONSTITUENT IDENTIFICATION	SAMPLE DATE		RESULT	MCL	DLR	TRIGGER	UNIT
IO INORGANIC							
01105 ALUMINUM	07/13/2011	<	.0000	1,000.0000	50.0000	200.0000	UG/L
01097 ANTIMONY	07/13/2011	<	.0000	6.0000	6.0000	6.0000	UG/L
01002 ARSENIC	11/11/2011	<	.0000	10.0000	2.0000	5.0000	UG/L
01007 BARIUM	07/13/2011	<	.0000	1,000.0000	100.0000	1,000.0000	UG/L
01012 BERYLLIUM	07/13/2011	<	.0000	4.0000	1.0000	4.0000	UG/L
01027 CADMIUM	07/13/2011	<	.0000	5.0000	1.0000	5.0000	UG/L
01034 CHROMIUM (TOTAL)	07/13/2011	<	.0000	50.0000	10.0000	50.0000	UG/L
01291 CYANIDE	07/13/2011	<	.0000	150.0000	100.0000	150.0000	UG/L
00951 FLUORIDE (F) (NATURAL-SOURCE)	07/13/2011		.1400	2.0000	.1000	2.0000	MG/L
01051 LEAD	07/13/2011	<	.0000	----------	5.0000	15.0000	UG/L
71900 MERCURY	07/13/2011	<	.0000	2.0000	1.0000	2.0000	UG/L
01067 NICKEL	07/13/2011	<	.0000	100.0000	10.0000	100.0000	UG/L
A-031 PERCHLORATE	11/11/2011	<	.0000	6.0000	4.0000	4.0000	UG/L
01147 SELENIUM	07/13/2011	<	.0000	50.0000	5.0000	50.0000	UG/L
01059 THALLIUM	07/13/2011	<	.0000	2.0000	1.0000	2.0000	UG/L
NI NITRATE/NITRITE							
71850 NITRATE (AS NO3)	07/13/2011	<	.0000	45.0000	2.0000	23.0000	MG/L
00620 NITRITE (AS N)	07/13/2011	<	.0000	1,000.0000	400.0000	500.0000	UG/L
RA RADIOLOGICAL							
01501 GROSS ALPHA	07/13/2011	<	.0000	15.0000	3.0000	5.0000	PCI/L

NOTE1: = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

KETTLEMAN CITY CSD

MAUD STREET WELL

Drilled 8/1/85
Original Design Capacity = 400 gpm, Current Capacity = 200 gpm
40 Hp Submersible Turbine Pump (Water Lube)

Ground Line (Typ.)

4" Gravel Filler Pipe
50'
30"x 1/4" Conductor Casing with Concrete Seal
2' PVC Vacuum Line
Gravel Pack (Typ.)
12 3/4" O.D. Casing (1/4" Wall)(Typ.)
Blank Casing (Typ.)
4" Gravel Filler Pipe
170'
180'
Bentonite Seal
Gravel Pack (Typ.)
210'
16" O.D. Roscoe Moss Well Screen 0.050 2" Modified Perforations
390'
410' Pump Suction
420'
416'
12 3/4" O.D. Roscoe Moss Well Screen 0.050 2" Modified Perforations
28" Dia. Bore Hole
545'
550'
Grout Seal
570'
580'
Gravel Pack (Typ.)
660'
18" Dia. Bore Hole
Grout Seal
1020'

SCHOOL WELL

Drilled 12/31/49
Design Capacity = 150 gpm
15 Hp Vertical Turbine Pump (Oil Lube)

Concrete Seal
144'
10" Casing (Typ.)
219'
Gravel Pack (Typ.)
309'
329'
Blank Casing (Typ.)
Well Screen Perforations (Typ.)
356'
377'
410'

BECKY PEASE WELL

Drilled 3/25/70
Original Design Capacity = 400 gpm, Current Capacity = 250 gpm
40 Hp Submersible Turbine Pump (Water Lube)

HIGHWAY 41

Concrete Seal
50'
Gravel Pack (Typ.)
13 1/2" O.D. Casing
352' Pump Suction
400'
12" O.D. Casing
Well Screen Perforations (Typ.)
630'
Blank Casing (Typ.)
700'

1,200'±
700'±
1,900'±

ELEVATION IN FEET

300 250 200 150 100 50 0 −50 −100 −150 −200 −250 −300 −350 −400 −450 −500 −550 −600 −650 −700 −750 −800 −850

0 2+00 4+00 6+00 8+00 10+00 12+00 14+00 16+00 18+00 20+00 22+00 24+00 26+00 28+00 30+00 32+00 34+00 36+00

STATION IN FEET

Section A–A

KETTLEMAN CITY COMMUNITY SERVICES DISTRICT
Kettleman City California

Groundwater Well Information

SUMMERS ENGINEERING, INC.
Consulting Engineers
HANFORD CALIFORNIA

October 1994

Revised November 2001

TRIPLICATE
Owner's Copy

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

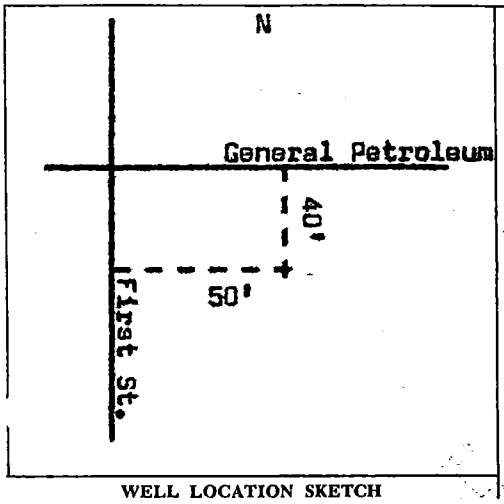
Do not fill in
No. 174253

Notice of Intent No.
Permit No. or Date 8-1-85

State Well No.
Other Well No.

(1) OWNER: Name Kettleman City Community Services Dist.
Address P.O. Box 177
City Kettleman City, CA Zip 93239

(2) LOCATION OF WELL (See instructions):
County Kings Owner's Well Number
Well address if different from above
Township Range Section
Distance from cities, roads, railroads, fences, etc. 50' East of First St. and 40' South of General Petroleum Ave. City of Kettleman City, CA Kings County



WELL LOCATION SKETCH

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☐
Test Well ☐
Stock ☐
Municipal ☒
Other ☐

(5) EQUIPMENT:
Rotary ☐ Reverse ☒
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size
Diameter of bore 28" 0 170
Packed from 180 to 550 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS: Louver
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
			OOAL	CASED		

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval 170-180 ft.
Method of sealing 0-50 Conductor 170-180 Bentonite

(10) WATER LEVELS:
Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? Schafers
Type of test Pump ☒ Bailer ☐ Air lift ☐
Depth to water at start of test ft. At end of test ft
Discharge gal/min after hours Water temperature
ical analysis made? Yes ☐ No ☐ If yes, by whom?
Was electric log made? Yes ☒ No ☐ If yes, attach copy to this report

(12) WELL LOG: Total depth 580 ft. Depth of completed well 570 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	50	Sandy Clay
50	125	Fine Sand & Clay
125	132	Sandstone & Fine Gravel
132	168	Clay W/Fine Sand Stringers
168	219	Brown Clay
219	231	Brown Clay W/Coarse Sand Stringers
231	307	Brown Clay
307	312	Coarse Sand & Gravel
312	384	Hard Brown Clay
384	408	Blue Clay
408	443	Brown Clay
443	455	Sandy Brown Clay W/Med. Sand Strin
455	458	Coarse Sand & Gravel
458	488	Sandy Brown Clay
488	489	Sandstone
489	515	Brown Clay
515	519	Med. Sand
519	579	Blue Clay
579	580	Med. Sand & Gravel
580		Stopped
		CONDUCTOR
0	50	30" OD x ¼ Cemented in Place
		CASING SET
0	420	12 3/4" OD X ¼ Blank
420	545	12 3/4" OD X ¼ .050 Modified 2" centers
545	570	12 3/4" OD X ¼ Blank
210	390	16" OD X ¼ .050 Modified 2" center
390	416	Starter Section
		SEALS
170	180	140 lbs. Bentonite
550	580	3 Yards Cement
		GRAVEL PACK
0	170	5/16 X 2
180	550	20% 12 X 20 60% 6 X 12 Monterey sand
		MISCELLANEOUS
0	200	4" Gravel Tube
0	210	2" Vacuum Line

Work started 12-3 19 85 Completed 12-5 19 85

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)
NAME Myers Brothers Inc. (Person, firm, or corporation) (Typed or printed)
Address 8650 E. Lacey Blvd.
City Hanford, CA Zip 93230
License No. 280310 Date of this report 12-6-85

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

MYERS REVERSE DRILLING

RECEIVED
FEB 10 19[illegible]

JOSEPH B. SUMMERS

T22S/R19E-18P

grained sand

Well No. 3 Becker Pers #1
Drilled 3/25/70

Depth from	to	Formation
0'	50'	Top soil
50'	103'	Clay-shale
103'	126'	Fine sand and clay
126'	203'	Clay
203'	270'	Fine sand and clay
270'	281'	Blue clay
281'	300'	Fine sand and clay
300'	326'	Sand-clay
326'	348'	Sand
348'	371'	Clay
371'	398'	Sand and clay
398'	410'	Clay
410'	470'	Sand
470'	503'	Sand and clay
503'	517'	Fine sand
517'	536'	Fine sand and clay
536'	542'	Fine sand, clay and gravel
542'	586'	Shale-clay
586'	601'	Sand-clay
601'	618'	Fine sand
618'	628'	Shale-clay
628'	700'	Clay

Perforated 400' to 630'

DEPARTMENT OF PUBLIC HEALTH

/ELL DATA

(1) Place and Owner Kettleman City Community Services District

(2) Source of Information John Turner

Collected by Kenneth L. Phillips Date May 1, 1979

	#2	#3	School
(3) Number or Name			
Date drilled	3-24-46	3-25-70	12-31-49
(4) Location: Neighborhood	Residential	Residential	School ground
Size of lot	50'x 80'	90'x 120'	200'x 200'
Distance to: Sewer	40'	58'	7100'
Sewage disposal	200'	150'	7200'
Abandoned well	none	none	150'
Nearest property line	25'	25'	50'
(5) Housing: Type	none	none	none
Condition	-	-	-
Pit depth *(if any)*	none	none	none
Floor *(material)*			
Drainage	away	away	away
(6) Well Depth	390'	700'	410'
(7) Casing: Depth	390'	630'	410'
Diameter	14' inch	12 and 14 inch	10 inch
Kind	spiral welded	welded collar	steel
Height above floor	6 inch	6 inch	
Distance to highest perforations	149'	400'	219'
Surface sealed *(yes or no)*	yes	yes	yes
Gravel pack *(yes or no)*	yes	yes	yes
Second casing depth	none	none	none
Second casing diameter	none	none	none
Annular seal *(depth)*		50'	mud 144'
(8) Impervious Strata: Penetrated — Thickness	10'	77'	20'
(8) Impervious Strata: Penetrated — Depth to	130'	126'	49'
(9) Water Levels: Depth to — Surface	186'	226'	
(9) Water Levels: Depth to — Static			105'
(9) Water Levels: Depth to — When pumping	233'	250'	145'
(10) Pump: Make	Fairbanks Morse	Jacuzzi	Fairbanks Morse
Type	Turbine	Turbine	Turbine
Capacity, g.p.m.	185	403	150
Lubrication	oil drip	oil drip	oil drip
Power	25 hp electric	40 hp electric	15 hp electric
Auxiliary power	none	none	none
Control	auto	auto	auto
Discharge location	above ground	above ground	above ground
Discharge to	main	main	pressure tank
(11) Frequency of Use	Not in use	Daily	Daily
(12) Flood Hazard	none	none	none
(13) Remarks and Defects (Use other side if necessary)	Maud and General Petroleum	100 Becky Pease	

(14) Show well log on other side.

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3560
ELAP Certification Number: 1868 James J. Spolsdoff, Laboratory Director

0904-05770	17095	4/17/2009	4/17/2009	10:30 AM	Tito Balling
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

California Water Services
P.O. Box 343
Coalinga,CA 93210

Attn: Kim Taylor

SystemType: 99
Sample Type: Special
Water Sys #: Not State
Census Tract:
Well Number:
APN:

Sample Site: Kettleman City - 100 GPM - Hawitson Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	<50 µg/L		1000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Arsenic	01002	16.4 µg/L	High	10 µg/L	2 µg/L	M. Ickes, PHC	4/23/2009
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	M. Ickes, PHC	4/23/2009
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Total Chromium	A-044	<1.0 µg/L		50 µg/L	1.0 µg/L	M. Ickes, PHC	4/23/2009
Lead	01051	<5 µg/L		AL=15 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Assadourian	4/24/2009
Selenium	01147	<5 µg/L		50 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	M. Ickes, PHC	4/23/2009
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Calcium	00916	16.3 mg/L			2 mg/L	S. Stasikonis, PHC	4/24/2009
Copper	01042	<50 µg/L		1300 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Iron	01045	<100 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/6/2009
Magnesium	00927	6.4 mg/L			2 mg/L	S. Stasikonis, PHC	4/29/2009
Manganese	01055	35.4 µg/L		50 µg/L	20 µg/L	M. Ickes, PHC	4/23/2009
Potassium	00937	1.25 mg/L			1.0 mg/L	K. Lor, PHC	5/8/2009
Sodium	00929	154 mg/L			2 mg/L	K. Lor, PHC	5/12/2009
Zinc	01092	<50 µg/L		5000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Color	00081	<5 Units		15 Units	5 Units	K. Lor, PHC	4/17/2009
S.E.C.	00095	920 µmho/cm	High	900 µmho/cm	20 µmho/cm	K. Lor, PHC	4/17/2009
Turbidity	82079	0.30 NTU		5 NTU	0.05 NTU	K. Lor, PHC	4/17/2009
Total Hardness	00900	70.0 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Alkalinity	00410	87.7 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Chloride	00940	41.0 mg/L		250 mg/L	2 mg/L	S. Stasikonis, PHC	4/17/2009
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrate (ion)	71850	53.3 mg/L	High	45 mg/L	2.0 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	S. Stasikonis, PHC	4/17/2009
Sulfate	00945	278 mg/L	High	250 mg/L	0.5 mg/L	S. Stasikonis, PHC	4/21/2009
pH	00403	8.24 Std Units				K. Lor, PHC	4/17/2009

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

L L Bonaiuto
Director / Chemistry Supervisor / QA Officer

Date Reported: 05/19/2009

FRESNO COUNTY PUBLIC HEALTH LABORATORY

1221 Fulton Mall, Fresno CA 93721 P.O. Box 11867 Fresno, CA 93775
Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spotsdoff, Laboratory Director

0904-05770	17095	4/17/2009	4/17/2009	10:30 AM	Tito Balling
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

California Water Services
P.O. Box 343
Coalinga,CA 93210

Attn: Kim Taylor

SystemType: 99
Sample Type: Special
Water Sys #: Not State
Census Tract:
Well Number:
APN:

Sample Site: Kettleman City - 100 GPM - Hewitson Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	86 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Corrosivity		Mod Aggressive				L. Soriano, PHC	5/1/2009
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	4/27/2009
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	4/17/2009
TDS	70300	630 mg/L	High	500 mg/L	1 mg/L	K. Lor, PHC	4/21/2009
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	5/1/2009

Comment: Well runs off & on daily.

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

J J Soriano
Director / Chemistry Supervisor / QA Officer

Date Reported: 05/19/2009

FRESNO COUNTY PUBLIC HEALTH LABORATORY

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ELAP Certification Number: 1886 James J. Spolsdoff, Laboratory Director

0904-05769	17095	4/17/2009	4/17/2009	9:45 AM	Tito Balling
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

California Water Services
P.O. Box 343
Coalinga,CA 93210

Attn: Kim Taylor

SystemType: 99
Sample Type: Special
Water Sys #: Not State
Census Tract:
Well Number:
APN:

Sample Site: Kettleman City - 400 GPM - Powers Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	329 µg/L		1000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Arsenic	01002	24.3 µg/L	High	10 µg/L	2 µg/L	M. Ickes, PHC	4/23/2009
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	M. Ickes, PHC	4/23/2009
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Total Chromium	A-044	4 µg/L		50 µg/L	1.0 µg/L	M. Ickes, PHC	4/23/2009
Lead	01051	14.6 µg/L		AL=15 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Assadourian	4/24/2009
Selenium	01147	10.5 µg/L		50 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	M. Ickes, PHC	4/23/2009
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Calcium	00916	15.9 mg/L			2 mg/L	S. Stasikonis, PHC	4/28/2009
Copper	01042	<50 µg/L		1300 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Iron	01045	7480 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/7/2009
Magnesium	00927	7 mg/L			2 mg/L	K. Lor, PHC	5/11/2009
Manganese	01055	121 µg/L	High	50 µg/L	20 µg/L	M. Ickes, PHC	4/23/2009
Potassium	00937	<1.0 mg/L			1.0 mg/L	S. Stasikonis, PHC	5/8/2009
Sodium	00929	332 mg/L			2 mg/L	K. Lor, PHC	5/12/2009
Zinc	01092	<50 µg/L		5000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Color	00081	>25 Units	High	15 Units	5 Units	K. Lor, PHC	4/17/2009
S.E.C.	00095	1600 µmho/cm	High	900 µmho/cm	20 µmho/cm	K. Lor, PHC	4/17/2009
Turbidity	82079	42 NTU	High	5 NTU	0.05 NTU	K. Lor, PHC	4/17/2009
Total Hardness	00900	105 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Alkalinity	00410	235 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Chloride	00940	386 mg/L		250 mg/L	2 mg/L	S. Stasikonis, PHC	4/21/2009
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrate (ion)	71850	<2.0 mg/L		45 mg/L	2.0 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	S. Stasikonis, PHC	4/17/2009
Sulfate	00945	10.4 mg/L		250 mg/L	0.5 mg/L	S. Stasikonis, PHC	4/17/2009
pH	00403	8.21 Std Units				K. Lor, PHC	4/17/2009

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

J. J. Spolsdoff

Director / Chemistry Supervisor / QA Officer

Date Reported: 05/19/2009

FRESNO COUNTY PUBLIC HEALTH LABORATORY

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Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0904-05769	17095	4/17/2009	4/17/2009	9:45 AM	Tito Balling
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

California Water Services
P.O. Box 343
Coalinga,CA 93210

Attn: Kim Taylor

SystemType: 99
Sample Type: Special
Water Sys #: Not State
Census Tract:
Well Number:
APN:

Sample Site: Kettleman City - 400 GPM - Powers Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	230 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Carbonate (CO3)	00445	<2 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Corrosivity		Nonaggressive				L. Soriano, PHC	5/1/2009
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	4/27/2009
Odor	00086	1.4 TON		3 TON	0 TON	K. Lor, PHC	4/17/2009
TDS	70300	880 mg/L	High	500 mg/L	1 mg/L	K. Lor, PHC	4/21/2009
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	5/1/2009

Comment: Well was on for 1 hour

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

L J Soriano
Director / Chemistry Supervisor / QA Officer

Date Reported: 05/19/2009

FRESNO COUNTY PUBLIC HEALTH LABORATORY

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Phone: (559)445-3407 Alt. Phone: (559)445-3397 Fax: (559)445-3580
ELAP Certification Number: 1888 James J. Spolsdoff, Laboratory Director

0904-05771	17095	4/17/2009	4/17/2009	11:10 AM	Tito Balling
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

California Water Services
P.O. Box 343
Coalinga,CA 93210

Attn: Kim Taylor

SystemType: 99
Sample Type: Special
Water Sys #: Not State
Census Tract:
Well Number:
APN:

Sample Site: Kettleman City - 1200 GPM - Lewis Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Aluminum	01105	199 µg/L		1000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Arsenic	01002	12.6 µg/L	High	10 µg/L	2 µg/L	M. Ickes, PHC	4/23/2009
Barium	01007	<100 µg/L		1000 µg/L	100 µg/L	M. Ickes, PHC	4/23/2009
Cadmium	01027	<1 µg/L		5 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Total Chromium	A-044	2.4 µg/L		50 µg/L	1.0 µg/L	M. Ickes, PHC	4/23/2009
Lead	01051	<5 µg/L		AL=15 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Mercury	71900	<0.5 µg/L		2 µg/L	0.5 µg/L	L. Assadourian	4/24/2009
Selenium	01147	<5 µg/L		50 µg/L	5 µg/L	M. Ickes, PHC	4/23/2009
Silver	01077	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Antimony	01097	<6 µg/L		6 µg/L	6 µg/L	M. Ickes, PHC	4/23/2009
Beryllium	01012	<1 µg/L		4 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Nickel	01067	<10 µg/L		100 µg/L	10 µg/L	M. Ickes, PHC	4/23/2009
Thallium	01059	<1 µg/L		2 µg/L	1 µg/L	M. Ickes, PHC	4/23/2009
Calcium	00916	16.2 mg/L			2 mg/L	S. Stasikonis, PHC	4/28/2009
Copper	01042	<50 µg/L		1300 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Iron	01045	729 µg/L		300 µg/L	100 µg/L	S. Stasikonis, PHC	5/7/2009
Magnesium	00927	3 mg/L			2 mg/L	K. Lor, PHC	5/11/2009
Manganese	01055	68 µg/L	High	50 µg/L	20 µg/L	M. Ickes, PHC	4/23/2009
Potassium	00937	<1.0 mg/L			1.0 mg/L	S. Stasikonis, PHC	5/8/2009
Sodium	00929	191 mg/L			2 mg/L	K. Lor, PHC	5/12/2009
Zinc	01092	<50 µg/L		5000 µg/L	50 µg/L	M. Ickes, PHC	4/23/2009
Color	00081	5 Units		15 Units	5 Units	K. Lor, PHC	4/17/2009
S.E.C.	00095	900 µmho/cm	High	900 µmho/cm	20 µmho/cm	K. Lor, PHC	4/17/2009
Turbidity	82079	1.2 NTU		5 NTU	0.05 NTU	K. Lor, PHC	4/17/2009
Total Hardness	00900	84.5 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Alkalinity	00410	59.2 mg/L			20 mg/L	K. Lor, PHC	4/17/2009
Chloride	00940	76.2 mg/L		250 mg/L	2 mg/L	S. Stasikonis, PHC	4/17/2009
Fluoride	00951	<0.1 mg/L		2.0 mg/L	0.1 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrate (ion)	71850	5.9 mg/L		45 mg/L	2.0 mg/L	S. Stasikonis, PHC	4/17/2009
Nitrite (as N)	00620	<400 µg/L		1000 µg/L	400 µg/L	S. Stasikonis, PHC	4/17/2009
Sulfate	00945	300 mg/L	High	250 mg/L	0.5 mg/L	S. Stasikonis, PHC	4/21/2009
pH	00403	8.29 Std Units				K. Lor, PHC	4/17/2009

MCL = Maximum Contaminant Level
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Director / Chemistry Supervisor / QA Officer

Date Reported: 05/19/2009

FRESNO COUNTY PUBLIC HEALTH LABORATORY

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0904-05771	17095	4/17/2009	4/17/2009	11:10 AM	Tito Balling
Lab Number	Account #	Date Received	Date Collected	Time Collected	Collector/Inspector

California Water Services
P.O. Box 343
Coalinga,CA 93210

Attn: Kim Taylor

SystemType: 99
Sample Type: Special
Water Sys #: Not State
Census Tract:
Well Number:
APN:

Sample Site: Kettleman City - 1200 GPM - Lewis Well Site

GENERAL MINERAL, PHYSICAL & INORGANIC CHEMISTRY ANALYSES

Analysis	Storet #	Result	Flag	MCL	DLR	Chemist	Date Analyzed
Bicarbonate (HCO3)	00440	58 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Carbonate (CO3)	00445	1 mg/L			2 mg/L	L. Soriano, PHC	5/1/2009
Corrosivity		Mod Aggressive				L. Soriano, PHC	5/1/2009
MBAS	38260	<0.025 mg/L		0.5 mg/L	0.025 mg/L	M. Ickes, PHC	4/27/2009
Odor	00086	Not Detected		3 TON	0 TON	K. Lor, PHC	4/17/2009
TDS	70300	620 mg/L	High	500 mg/L	1 mg/L	K. Lor, PHC	4/21/2009
Hydroxide (OH)	71830	<0.5 mg/L			0.5 mg/L	L. Soriano, PHC	5/1/2009

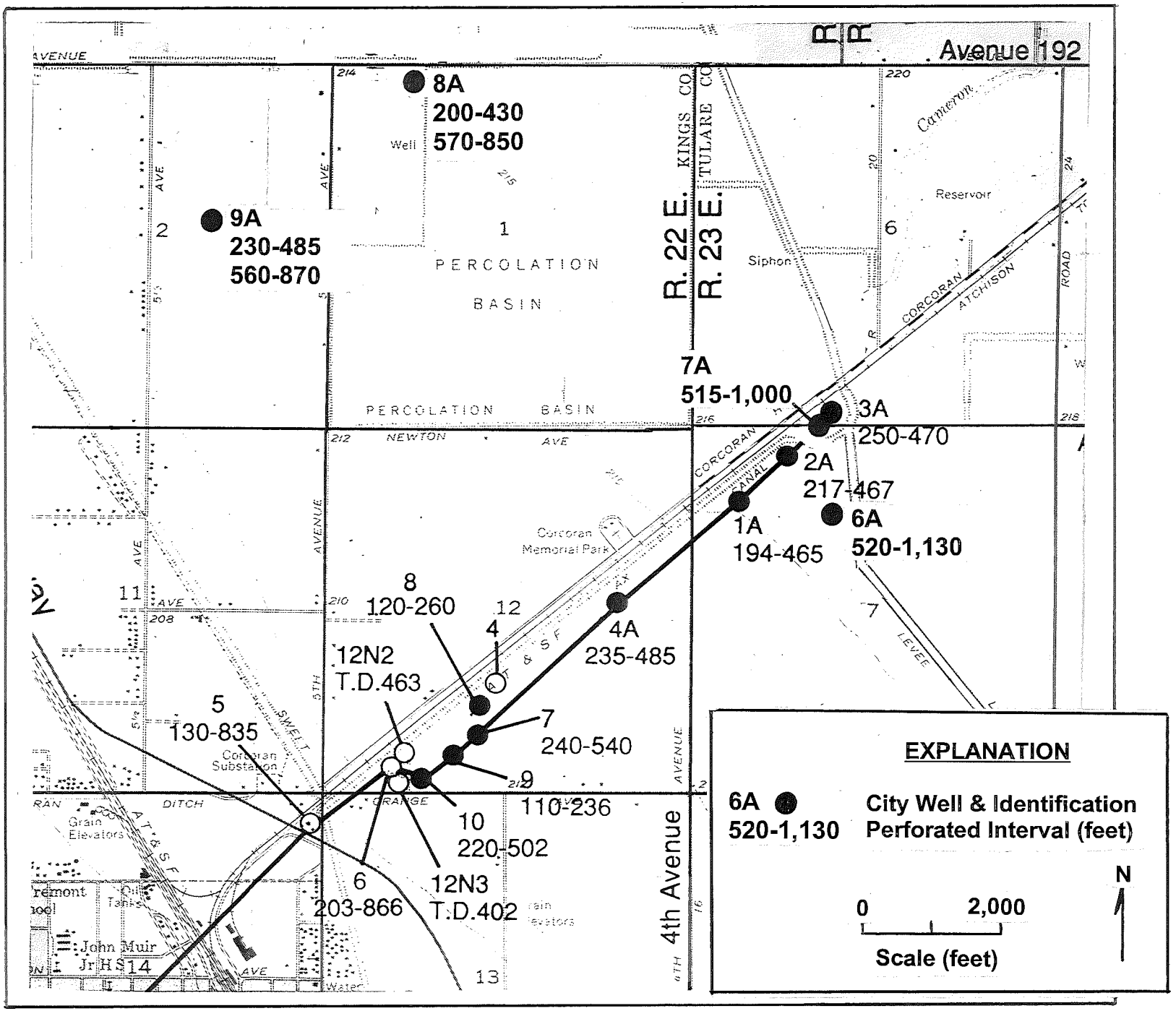
Comment: Well running.

MCL = Maximum Contaminant Level
DLR = Detection Level for Reporting
QNS = Quantity Not Sufficient for Analysis
NTP = No Test Performed on Sample
Flag = "High" If Result Exceeds MCL

Director / Chemistry Supervisor / QA Officer

Date Reported: 05/19/2009

CITY OF CORCORAN



LOCATION OF THE CITY OF CORCORAN SUPPLY WELLS

TABLE 1 - CONSTRUCTION DATA FOR ACTIVE CITY OF CORCORAN WELLS

No.	State Location	Date Drilled	Depth (feet)	Cased Depth (feet)	Casing Diameter (inches)	Perforated Interval (feet)
7	T21S/R22E-12P	7/59	540	540	14	240-540
8	12L1	11/60	270	270	14	130-270
9	12P	4/63	240	236	14	110-236
10	12P	5/67	505	502	14	226-252 290-502
1-A	T21S/R23E-7D	3/75	515	465	16	194-465
2-A	7D	3/75	510	467	16	217-467
3-A	6P	12/81	477	475	16	250-470
4-A	T21S/R22E-12H	9/87	515	495	16	235-485

Information from drillers logs and City of Corcoran records.

DUPLICATE
Driller's Copy

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Page 1 of 1
Owner's Well No. City of Corcoran 6A
No. 500146
Date Work Began 6-2-97, Ended 7-7-97
Local Permit Agency Tulare County
Permit No. 10642 Permit Date 4-10-97

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

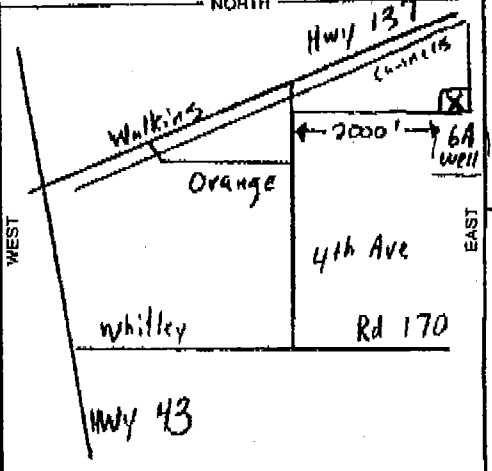
ORIENTATION (∠) ✓ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION (Describe material, grain size, color, etc.)
0	50'	Clay
50'	60	Sand + Clay
60	120'	Sand
120	140	Clay + Sand
140	180	Sand
180	370	Clay + Sand
370	420	Sand
420	470	Clay + Sand
470	520	Corcoran Clay Blue
520	530	Sand + Clay
530	920	Clay + Sand
920	960	Clay
960	1350	Sand + Little clay

TOTAL DEPTH OF BORING 1350 (Feet)
TOTAL DEPTH OF COMPLETED WELL 1150 (Feet)

WELL OWNER
Name City of Corcoran City Hall
Mailing Address 1023 Chittenden Ave
City Corcoran CA 93212 (STATE / ZIP)

WELL LOCATION
Address South East of Hwy 137 + Whitley
City East of Corcoran
County Tulare County
APN Book 200 Page 050 Parcel 26-000
or Township 21S Range 23E Section 7
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. W

LOCATION SKETCH


Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (∠)
✓ NEW WELL
___ MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE (∠)
___ MONITORING
WATER SUPPLY
✓ Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD Reverse Circulation MUD Poly Bore

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH OF STATIC WATER LEVEL 124 (Ft.) & DATE MEASURED 6-19-97
ESTIMATED YIELD* 50 (GPM) & TEST TYPE 3500
TEST LENGTH 11 (Hrs.) TOTAL DRAWDOWN 48 (Ft.)
* May not be representative of a well's long-term yield.

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (∠) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
+5'	50'	48	X				A139	34"	3/8	
+5'	520	28	X				Case 10 Mod	16"	5/16	
520'	1130'	28		X			Case 10 Rusco	16"	5/16	.050
1120'	1150'	28	X				Case 10 Rusco	16"	5/16	
+5'	515'	28	X				Gravel Pipe	3"	Sch 40	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (∠)	BENTONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)
0	490	X			
490	1170				8x20 Col

ATTACHMENTS (∠)
✓ Geologic Log
✓ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief
NAME Bakersfield Well & Pump (Div. of Zim Ind.)
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 1600 E. California CITY CA STATE 93307 ZIP
Signed ___ (WELL DRILLER/AUTHORIZED REPRESENTATIVE) DATE SIGNED 7-8-97
C-57 LICENSE NUMBER 440531

DWR 188 REV. 7-90
IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

BC LABORATORIES

WATER ANALYSIS
(GENERAL CHEMISTRY)

KENNETH D. SCHMIDT & ASSOCIATES, INC.
600 WEST SHAW
SUITE 250
FRESNO, CA 93704
Attn: KEN SCHMIDT 209-224-4412

Date Reported: 07/08/97
Date Received: 06/27/97
Laboratory No.: 97-06717-1

Sample Description: CITY OF CORCORAN WELL 6-A: PUMP TEST SAMPLED BY J. DILLARD

Sampling Date/Time: 06/26/97 @ 05:50PM

Constituents	Results	Units	P.Q.L.	Method
Calcium	1.7	mg/L	0.1	EPA-7140
Magnesium	0.08	mg/L	0.01	EPA-7450
Sodium	54.	mg/L	0.1	EPA-7770
Potassium	0.3	mg/L	0.1	EPA-7610
Total Cations	2.45	meq/L		Calculated
Hydroxide	None Detected	mg/L	0.8	EPA-310.1
Carbonate	28.2	mg/L	2.6	EPA-310.1
Bicarbonate	62.6	mg/L	2.6	EPA-310.1
Sulfate	3.6	mg/L	1.0	EPA-300.0
Chloride	8.9	mg/L	1.0	EPA-300.0
Nitrate as NO3	None Detected	mg/L	0.4	EPA-353.2
Fluoride	1.2	mg/L	0.05	EPA-340.2
Total Anions	2.35	meq/L		Calculated
pH	9.33	pH Units	-	EPA-9040
Electrical Conductivity @ 25 C	242.	umhos/cm	1.	EPA-9050
Total Dissolved Solids @ 180 C	156.	mg/L	10.	EPA-160.1
Hardness as CaCO3	4.6	mg/L	1.0	SM-2340B
Alkalinity as CaCO3	98.4	mg/L	5.0	EPA-310.1
Total Cyanide	None Detected	µg/L	0.02	EPA-335.3
Total Sulfide	0.5	mg/L	0.1	EPA-376.2

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).
California D.O.H.S. Cert. #1186

Marna Atencio
Department Supervisor

4100 Atlas Ct. - Bakersfield, CA 93308 - (805) 327-4911 - FAX (805) 327-1918

Wet Lab Analysis

Kenneth D. Schmidt & Assoc.
600 West Shaw Avenue Suite 250
Fresno, CA 93704

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: CHERYL LASSOTOVITCH

Sample ID: CORCORAN WELL 6A
Sample Collection Date: 6/26/97

APPL ID: AP52282
ARF: 25379

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 180.1	Turbidity	4.2	0.1	NTU	6/28/97	6/28/97
SM 2120B	Color	20	1	color units	6/28/97	6/28/97
SM 2150B	Odor in plastic	Not detected	1	T.O.N.	6/28/97	6/28/97
SM 2510B	Specific Conductance	228	3.0	umhos/cm @ 25C	7/3/97	7/3/97
SM 5540C	MBAS by SM 5540C	Not detected	0.03	mg/L	7/8/97	7/8/97

BC LABORATORIES

WATER ANALYSIS
(METALS)

KENNETH D. SCHMIDT & ASSOCIATES, INC.
600 WEST SHAW
SUITE 250
FRESNO, CA 93704
Attn: KEN SCHMIDT 209-224-4412

Date Reported: 07/08/97
Date Received: 06/27/97
Laboratory No.: 97-06717-1

Sample Description: CITY OF CORCORAN WELL 6-A: PUMP TEST SAMPLED BY J. DILLARD

Sampling Date/Time: 06/26/97 @ 05:50PM

Constituents	Results	Units	P.Q.L.	Method
Dissolved Aluminum	138.	µg/L	50.	EPA-6010
Dissolved Antimony	None Detected	µg/L	1.	EPA-200.8
Dissolved Arsenic	15.	µg/L	2.	EPA-200.8
Dissolved Barium	None Detected	µg/L	100.	EPA-6010
Dissolved Beryllium	None Detected	µg/L	1.	EPA-200.8
Dissolved Cadmium	None Detected	µg/L	1.	EPA-200.8
Dissolved Chromium	None Detected	µg/L	10.	EPA-6010
Dissolved Copper	None Detected	µg/L	10.	EPA-6010
Dissolved Iron	None Detected	µg/L	50.	EPA-6010
Dissolved Lead	None Detected	µg/L	5.	EPA-200.8
Dissolved Manganese	None Detected	µg/L	10.	EPA-6010
Dissolved Mercury	None Detected	µg/L	0.2	EPA-7470
Dissolved Nickel	None Detected	µg/L	5.	EPA-200.8
Dissolved Selenium	None Detected	µg/L	2.	SM-3114B
Dissolved Silver	None Detected	µg/L	10.	EPA-6010
Dissolved Thallium	None Detected	µg/L	1.	EPA-200.8
Dissolved Zinc	None Detected	µg/L	10.	EPA-6010

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Sample was filtered thru 0.45 µ filter and acidified prior to metal analysis.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

Date of Report: July 18, 1997
Laboratory Name: FGL Environmental
Name of Sampler: Jim Dilliard
Date/time Sample Collected: 06/26/1997-1750

Sample ID No. SP 705103-01
Signature Lab Director:
Employed By: Schmidt & Assoc.
Date/Time Sample Rec. @ Lab: 07/01/1997-1030
Date Analyses Completed: 07/10/1997

System Name: CITY OF CORCORAN
System Number:

Name or Number of Sample Source: Well 6A Pump Test

User ID: Station Number:

Date/Time of Sample: 9 7 0 6 2 6 1 7 5 0 (Y Y M M D D T T T T)
Laboratory Code: 5 8 6 7

Submitted by: FGL Environmental
Phone #(805) 659-0910

RADIOLOGICAL CHEMICALS

MCL	UNITS	CHEMICAL	ENTRY	RESULT	DLR
5-35 !!	pCi/L	Gross Alpha	01501	8	
	pCi/L	Gross Alpha Counting Error	01502	± 1	
20	pCi/L	Uranium	28012	0.0	
	pCi/L	Uranium Counting Error	A-028	± 1	

!! >= 5 May require testing for U_α, $^{226}Ra_\alpha$ >= 15 Unaccounted Alpha (Total α - U_α) >= 35 Total Gross Alpha limit.

Corporate Offices & Laboratory
PO Box 272 / 853 Corporation Street
Santa Paula, CA 93061-0272

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215

Field Office
Visalia, CA
TEL: 209/734-9473

BC LABORATORIES

WATER ANALYSIS
(GENERAL CHEMISTRY)

KENNETH D. SCHMIDT & ASSOCIATES, INC.
600 WEST SHAW
SUITE 250
FRESNO, CA 93704
Attn: KEN SCHMIDT 209-224-4412

Date Reported: 08/25/97
Date Received: 08/11/97
Laboratory No.: 97-08465-1

End of Constant Discharge Test

Sample Description: CITY OF CORCORAN WELL 7A 12 HR SAMPLED BY DILLIARD

Sampling Date/Time: 08/04/97 @ 04:50PM

Constituents	Results	Units	P.Q.L.	Method
Calcium	1.7	mg/L	0.1	EPA-7140
Magnesium	0.09	mg/L	0.01	EPA-7450
Sodium	50.	mg/L	0.1	EPA-7770
Potassium	0.3	mg/L	0.1	EPA-7610
Total Cations	2.27	meq/L		Calculated
Hydroxide	None Detected	mg/L	0.8	EPA-310.1
Carbonate	23.1	mg/L	2.6	EPA-310.1
Bicarbonate	75.6	mg/L	2.6	EPA-310.1
Sulfate	5.6	mg/L	1.0	EPA-300.0
Chloride	7.0	mg/L	1.0	EPA-300.0
Nitrate as NO3	None Detected	mg/L	0.4	EPA-353.2
Fluoride	1.2	mg/L	0.05	EPA-340.2
Total Anions	2.32	meq/L		Calculated
pH	8.94	pH Units	-.	EPA-9040
Electrical Conductivity @ 25 C	244.	umhos/cm	1.	EPA-9050
Hardness as CaCO3	4.6	mg/L	1.0	SM-2340B
Alkalinity as CaCO3	101.	mg/L	5.0	EPA-310.1
Total Cyanide	None Detected	mg/L	0.02	EPA-335.3

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

California D.O.H.S. Cert. #1186

M. Atencio

Marna Atencio
Department Supervisor

BC LABORATORIES

WATER ANALYSIS
(METALS)

KENNETH D. SCHMIDT & ASSOCIATES, INC.
600 WEST SHAW
SUITE 250
FRESNO, CA 93704
Attn: KEN SCHMIDT 209-224-4412

Date Reported: 09/02/97
Date Received: 08/11/97
Laboratory No.: 97-08465-1

Sample Description: CITY OF CORCORAN WELL 7A 12 HR SAMPLED BY DILLIARD

Sampling Date/Time: 08/04/97 @ 04:50PM

Constituents	Results	Units	P.Q.L.	Method
Dissolved Aluminum	199.	µg/L	50.	EPA-6010
Dissolved Antimony	None Detected	µg/L	1.	EPA-200.8
Dissolved Arsenic	20.	µg/L	2.	EPA-200.8
Dissolved Barium	None Detected	µg/L	100.	EPA-6010
Dissolved Beryllium	None Detected	µg/L	1.	EPA-200.8
Dissolved Cadmium	None Detected	µg/L	1.	EPA-200.8
Dissolved Chromium	None Detected	µg/L	10.	EPA-6010
Dissolved Copper	None Detected	µg/L	10.	EPA-6010
Dissolved Iron	None Detected	µg/L	50.	EPA-6010
Dissolved Lead	None Detected	µg/L	5.	EPA-200.8
Dissolved Manganese	None Detected	µg/L	10.	EPA-6010
Dissolved Mercury	None Detected	µg/L	0.2	EPA-7470
Dissolved Nickel	None Detected	µg/L	5.	EPA-200.8
Dissolved Selenium	None Detected	µg/L	2.	SM-3114B
Dissolved Silver	None Detected	µg/L	10.	EPA-6010
Dissolved Thallium	None Detected	µg/L	1.	EPA-200.8
Dissolved Zinc	None Detected	µg/L	10.	EPA-6010

P.Q.L. = Practical Quantitation Limit (refers to the least amount of analyte quantifiable based on sample size used and analytical technique employed).

Sample was filtered thru 0.45 µ filter and acidified prior to metal analysis.

California D.O.H.S. Cert. #1186

Dan Schultz
Laboratory Director

Kenneth D. Schmidt and Associates
600 West Shaw Avenue, Suite 250
Fresno, California 93704
Attn: Jim Dillard

Sample Date: 08/04/97
Report Date: 09/09/97

Sample I.D. No: City of Corcoran Well 7A 12 HR
APPL Sample No: R25680-53984W

Date Received: 08/05/97

Analysis Results:

	Results	Quantitation Limit	Method Number
pH @ 21.0°C	9.4	NA	EPA 150.1
Turbidity (N.T.U.)	2.6	0.1	EPA 180.1
Color (apparent) @pH [.0	15.0	1	SM 2120B
Odor (T.O.N.)	<1	1	SM 2150B
Specific Conductivity (EC) µmhos/cm @ 25°C	207	3.0	SM 2510B
Methylene Blue Active Substances (MBAS) mg/L	<0.03	0.03	SM 5540C

Tested By Luanne Lydiard

Checked By

FGL ENVIRONMENTAL

ANALYTICAL CHEMISTS

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

Sample ID No. SP 706174-01

Date of Report: August 28, 1997
Laboratory Name: FGL Environmental
Name of Sampler: Dillard
Date/time Sample Collected: 08/04/1997-1650

Signature Lab Director:
Employed By: Schmidt & Assoc.
Date/Time Sample Rec. @ Lab: 08/07/1997-0945
Date Analyses Completed: 08/22/1997

System Name: CITY OF CORCORAN

System Number:

Name or Number of Sample Source: Well 7A 12 HR

User ID: Station Number:

Date/Time of Sample: 9 7 0 8 0 4 1 6 5 0
Y Y M M D D T T T T

Laboratory Code: 5 8 6 7

Submitted by: FGL Environmental

Phone #(805) 659-0910

RADIOLOGICAL CHEMICALS

MCL	UNITS	CHEMICAL	ENTRY	RESULT	DLR
5-35 ‼	pCi/L	Gross Alpha	01501	3	
	pCi/L	Gross Alpha Counting Error	01502	± 1	
20	pCi/L	Uranium	28012	1.0	
	pCi/L	Uranium Counting Error	A-028	± 1	

‼ >= 5 May require testing for U_α , $^{226}Ra_\alpha$ >= 15 Unaccounted Alpha (Total α - U_α) >= 35 Total Gross Alpha limit.

DUPLICATE
Driller's Copy
Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 515951

Owner's Well No. 7A
Date Work Began 6-16-97 Ended 8-18-97
Local Permit Agency TULARE County
Permit No. 23246 Permit Date 6-11-97

OWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

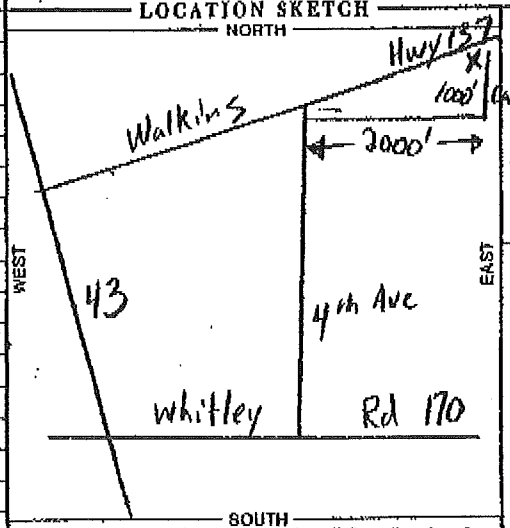
ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DEPTH TO FIRST WATER ___ (Ft.) BELOW SURFACE

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	50	Clay
50	170	Sand + Gravel
170	240	Sand + Clay
240	270	Clay
270	480	Sand + Clay
480	500	Clay
500	650	Very Sandy + Clay Lenses
650	790	Sand + Clay
760	860	Clay
860	890	Sand
990	1210	Sand + Clay Lenses
1210	1230	Sand
1230	1250	Sand + Clay
1250	1300	Clay + Sand
1300	1350	Clay

TOTAL DEPTH OF BORING 1350 (Feet)
TOTAL DEPTH OF COMPLETED WELL 1020' (Feet)

WELL OWNER
Name City of Corcoran
Mailing Address City Hall 1033 Chittenden Av
City Corcoran State CA Zip 93212

WELL LOCATION
Address South East of Hwy 137 + Walk
City East of Corcoran
County Tulare County
APN Book 202 Page 050 Parcel 26-000
or Township 21S Range 23E Section 7
or Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH


Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
X NEW WELL
___ MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S) (✓)
___ MONITORING
WATER SUPPLY
X Domestic
___ Public
___ Irrigation
___ Industrial
___ "TEST WELL"
___ CATHODIC PROTECTION
___ OTHER (Specify)

DRILLING METHOD Reverse Circulation FLUID Polybore

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH OF STATIC WATER LEVEL [redacted] 147 (Ft.) & DATE MEASURED 7-31-97
ESTIMATED YIELD* 36 (GPM) & TEST TYPE 2900 Step
TEST LENGTH 12 (Hrs.) TOTAL DRAWDOWN 80 (Ft.)
** May not be representative of a well's long-term yield.*

CASING(S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
+8	50	48	X				A 139 Mod	35	3/8	
+8	515	28	X				Copper Bearing	16	5/16	
515	1000	28		X			Full Flow	16	5/16	.050
1000	1020	28	X				Copper Bearing	16	5/16	

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	485	X			
485	495			X	Sand
495	1005				8x20 Col.S.
1005	1020		X		
1020	1040			X	Gravel

ATTACHMENTS (✓)
___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ___
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME Bakersfield Well + Pump (Div. of Zim Ind.)
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 7210 Fruitvale CITY Bakersfield STATE CA ZIP 93306
Signed [signature] (WELL DRILLER/AUTHORIZED REPRESENTATIVE)
DATE SIGNED 8-18-97 C-57 LICENSE NUMBER 440537

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Corcoran - City

DUPLICATE
Driller's Copy
Page 1 of 2

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. E005952

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. 8A
Date Work Began 5/11/2004, Ended 7/17/2004
Local Permit Agency
Permit No. Permit Date

GEOLOGIC LOG

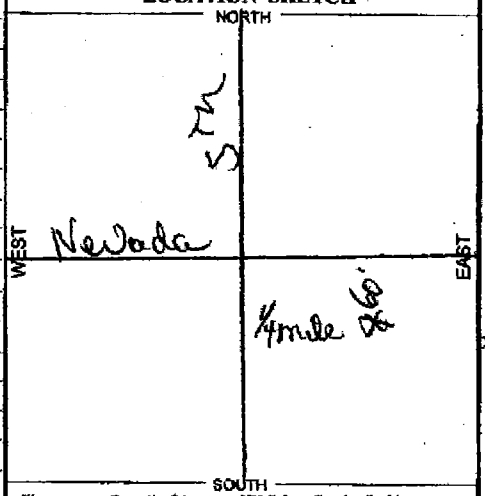
ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)
DRILLING METHOD REVERSE FLUID

DEPTH FROM SURFACE Ft. to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
0 5	TOP SOIL
5 14	BROWN CLAY
14 16	MEDIUM SAND
16 32	BROWN CLAY
32 35	SANDY BROWN CLAY
35 50	BROWN CLAY
50 65	FINE & COARSE SAND
65 75	GREEN CLAY
75 78	LIGHT BROWN CLAY
78 79	MEDIUM SAND
79 96	LIGHT BROWN CLAY
96 123	COARSE SAND
123 144	LIGHT BROWN CLAY
144 153	COARSE SAND
153 172	SAND & CLAY
172 185	COARSE SAND
185 198	GREEN CLAY
198 225	COARSE SAND
225 232	BROWN CLAY
232 247	GREEN CLAY
247 253	BROWN CLAY
253 261	GREEN CLAY
261 272	COARSE SAND
272 288	GREEN CLAY
288 320	COARSE SAND
320 323	BLUE CLAY
323 326	COARSE SAND
326 370	BLUE CLAY
370 380	COARSE SAND
380 412	BLUE CLAY

TOTAL DEPTH OF BORING 870 (Feet)
TOTAL DEPTH OF COMPLETED WELL 870 (Feet)

WELL OWNER
Name CORCORAN CITY WELL
Mailing Address 1033 CHITTENDEN
CORCORAN CA 93212
CITY STATE ZIP

WELL LOCATION
Address NEVADA AND 5 1/2 AVE
City CORCORAN CA
County
APN Book Page Parcel
Township Range Section
Latitude DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH


Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify)
— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)
WATER SUPPLY
— Domestic ✓ Public
— Irrigation — Industrial
MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) —

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL (Ft.) & DATE MEASURED
ESTIMATED YIELD * (GPM) & TEST TYPE
TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0 50	44"			✓		STEEL	32"	3/8"	
0 200	32"	✓				STEEL	20 5/8"	5/16"	
200 400	32"		✓			STEEL	20 5/8"	5/16"	.050 FF
400 435	32"	✓				STEEL	20 5/8"	5/16"	W/TAPER
435 400	32"	✓				STEEL	16 5/8"	5/16"	
400 430	32"		✓			STEEL	16 5/8"	5/16"	WINDOW

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft. to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0 50	✓			8 SACK
0 150	✓			8 SACK
150 880			✓	6 X 20

ATTACHMENTS (✓)
— Geologic Log
✓ Well Construction Diagram
✓ Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME MYERS BROS. WELL DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
8650 E. LACEY BLVD. HANFORD CA 93230-4844
ADDRESS CITY STATE ZIP
Signed
WELL DRILLER/AUTHORIZED REPRESENTATIVE
07/22/04 DATE SIGNED
548214 C-57 LICENSE NUMBER

DWR 188 REV. 11-97
IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

DUPLICATE
Driller's Copy

Page 2 of 2

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. E005952

Owner's Well No. 8A

Date Work Began 5/11/2004, Ended 7/17/2004

Local Permit Agency

Permit No. Permit Date

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)
DRILLING METHOD REVERSE FLUID

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
412	555	BLUE CLAY CORCORAN
555	595	BLUE CLAY
595	615	BLUE CLAY & SAND
615	617	WHITE CLAY & SAND
617	621	COARSE SAND
621	632	BLUE CLAY & SAND
632	636	COARSE SAND
636	645	BLUE CLAY
645	665	BLUE CLAY & SAND
665	670	SAND SOME BLUE CLAY
670	674	BLUE CLAY
674	705	BLUE CLAY & SAND
705	715	SAND LITTLE BLUE CLAY
715	720	BLUE CLAY & SOME SAND
720	727	MEDIUM SAND
727	729	BROWN CLAY
729	734	MEDIUM SAND
734	755	BLUE CLAY
755	760	MEDIUM SAND
760	797	BLUE CLAY
797	800	MEDIUM SAND
800	838	BLUE CLAY
838	840	MEDIUM SAND
840	880	BLUE CLAY

TOTAL DEPTH OF BORING 870 (Feet)
TOTAL DEPTH OF COMPLETED WELL 870 (Feet)

WELL OWNER
Name CORCORAN CITY WELL
Mailing Address 1033 CHITTENDEN
CORCORAN CA 93212
CITY STATE ZIP

WELL LOCATION
Address NEVADA AND 5 1/2 AVE
City CORCORAN CA
County
APN Book Page Parcel
Township Range Section
Latitude DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH
NORTH / WEST / EAST / SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify)
— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)
WATER SUPPLY
— Domestic ✓ Public
— Irrigation — Industrial
MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) —

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL (Ft.) & DATE MEASURED
ESTIMATED YIELD * (GPM) & TEST TYPE
TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
435	570	28"	✓				STEEL	16 5/8"	5/16"	
570	850	28"		✓			STEEL	16 5/8"	5/16"	FF .050
850	870	28"	✓				STEEL	16 5/8"	5/16"	
0	155					✓	BLK STEEL	3"		

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	50	✓			8 SACK
0	150	✓			8 SACK
150	880			✓	6 X 20

ATTACHMENTS (✓)
— Geologic Log
✓ Well Construction Diagram
✓ Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME MYERS BROS. WELL DRILLING, INC.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
8650 E. LACEY BLVD. HANFORD CA 93230-4844
ADDRESS CITY STATE ZIP
Signed
WELL DRILLER/AUTHORIZED REPRESENTATIVE
07/22/04 DATE SIGNED
548214 C-57 LICENSE NUMBER

DWR 188 REV. 11-97

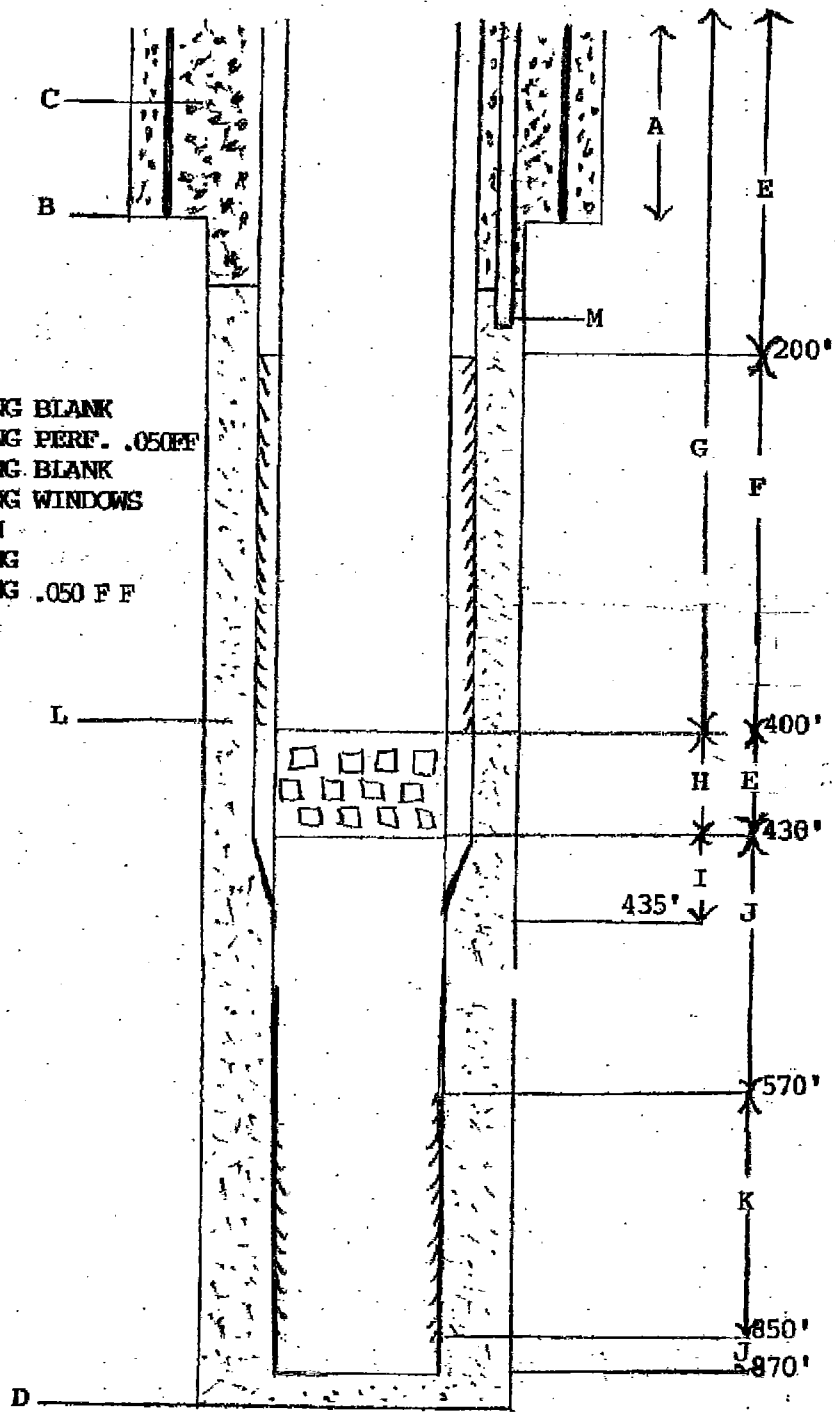
IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

MYERS BROTHERS A PARTNERSHIP
DIVERSIFIED FARMING
8650 E. LACEY BLVD.
HANFORD, CA 93230-4844
Phone (559) 582-9031 Fax (559) 582-5744

CITY OF CORCORAN
WELL 8A
JULY 17, 2004

NOTES:

A. 50 L.F. 44" BORE HOLE
B. 50 L.F. 32" CONDUCTOR
C. 50 L.F. 8 SACK MIX SEAL
D. 820 L.F. 32-28" BOREHOLE
E. 200 L.F. 20 5/8 X 5/16 OUTER CASING BLANK
F. 200 L.F. 20 5/8 X 5/16 OUTER CASING PERF. .050FF
G. 406 L.F. 16 5/8 X 5/16 INNER CASING BLANK
H. 30 L.F. 16 5/8 X 5/16 INNER CASING WINDOWS
I. 5 L.F. 20" to 16" TAPER SECTION
J. 155 L.F. 16 5/8 X 5/16 BLANK CASING
K. 280 L.F. 16 5/8 X 5/16 PERF. CASING .050 F F
L. 730 L.F. 6 X 20 GRAVEL PACK
M. 155 L.F. 3" GRAVEL CHUTE



September 14, 2004

City of Corcoran
1033 Chiltenden
Corcoran, CA 93212

Lab ID : SP 408200-01
Customer ID: 2-21279

Sampled On : August 6, 2004-11:30
Sampled By : Jenifer McPhetridge
Received On: August 11, 2004-09:30
Matrix : Ground Water

Description : City of Corcoran Well 8A
Project : City of Corcoran Well 8A

Sample Results - Inorganic

Constituent	Results	PQL	Units	MCL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
General Mineral P:1,5,4								
Total Hardness	20.0	2.5	mg/L		Calculation		Calculation	
Calcium	8	1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Magnesium	ND	1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Potassium	ND	1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Sodium	39	1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Total Cations	2.1	--	meq/L		Calculation		Calculation	
Boron	ND	0.1	mg/L		200.7	08/13/04:A203	200.7	08/13/2004:A01
Copper	ND	10	ug/L	1000[2]	200.7	08/13/04:A203	200.7	08/13/2004:A01
Iron	140	50	ug/L	300[2]	200.7	08/13/04:A203	200.7	08/13/2004:A01
Manganese	20	10	ug/L	50[2]	200.7	08/13/04:A203	200.7	08/13/2004:A01
Zinc	ND	20	ug/L	5000[2]	200.7	08/13/04:A203	200.7	08/13/2004:A01
Total Alkalinity (as CaCO3)	80	10	mg/L		2320B	08/12/04:A202	2320B	08/12/2004:A01
Hydroxide	ND	10	mg/L		2320B	08/12/04:A202	2320B	08/12/2004:A01
Carbonate	ND	10	mg/L		2320B	08/12/04:A202	2320B	08/12/2004:A01
Bicarbonate	100	10	mg/L		2320B	08/12/04:A202	2320B	08/12/2004:A01
Sulfate	10	1	mg/L	500[2]	300.0	08/11/04:B215	300.0	08/12/2004:A09
Chloride	12	1	mg/L	500[2]	300.0	08/11/04:B215	300.0	08/12/2004:A09
Nitrate	ND	0.4	mg/L	45	4500NO3F	08/18/04:A220 13:20	4500NO3F	08/18/2004:A01 13:11
Nitrite as N	ND	0.1	mg/L	1	300.0	08/11/04:B215 18:00	300.0	08/12/2004:A09 09:50
Fluoride	0.4	0.1	mg/L	2	300.0	08/11/04:B215	300.0	08/12/2004:A09
Total Anions	2.2	--	meq/L		Calculation		Calculation	
pH	8.2	--	units		4500-H B	08/11/04:A246	4500-H B	08/11/2004:A01 17:20
Specific Conductance	222	1	umhos/cm	1600[2]	2510B	08/12/04:A212	2510B	08/12/2004:A01
Total Dissolved Solids	170	40	mg/L	1000[2]	2540C	08/12/04:A235	2540 C,E	08/13/2004:A00
MBAS (foaming agents)	ND	0.1	mg/L	0.5[2]	5540C	08/11/04:A218 15:15	5540C	08/11/2004:A01 15:34
Aggressiveness Index	11.4	1.0	mg/L		Calculation		Calculation	
Langlier Index	-0.4	1.0	mg/L		Calculation		Calculation	

Table continued next page...

Corporate Offices & Laboratory
P.O. Box 272 / 853 Corporation Street
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CA NELAP Certification No. 01110CA

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TEL: (209) 942-0181
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CA ELAP Certification No. 1563

Field Office
Visalia, California
TEL: (559) 734-9473
FAX: (559) 734-8435
Mobile: (559) 737-2399

September 14, 2004

City of Corcoran

Lab ID : SP 408200-01
Customer ID: 2-21279
Description : City of Corcoran Well 8A

Sample Results - Inorganic

Constituent	Results	PQL	Units	MCL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Metals, Diss P:1								
Aluminum	ND	0.01	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Antimony	ND	0.001	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Arsenic	0.040	0.002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Barium	0.0339	0.0002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Beryllium	ND	0.0002	mg/L		200.8	08/12/04:E204	200.8	08/13/2004:B03
Cadmium	ND	0.0002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Chromium	ND	0.001	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Lead	0.0013	0.0002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Mercury	ND	0.0001	mg/L		7470/1A	08/16/04:B212	245.1	08/16/2004:A02
Nickel	0.002	0.001	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Selenium	ND	0.002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Silver	ND	0.001	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Thallium	ND	0.0002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11
Vanadium	0.016	0.002	mg/L		200.8	08/12/04:E204	200.8	08/12/2004:A11

ND=Non-Detect. PQL=Practical Quantitation Limit. ♦ PQL adjusted for dilutions, concentrations, dry weight reporting, or limited sample.
MCL = Maximium Contaminat Level. ² - Secondary Standard.
Containers: (P) Plastic Preservatives: (1) Cool 4°C, (5) HNO3 pH < 2, (4) H2SO4 pH < 2

September 14, 2004

City of Corcoran
1033 Chiltenden
Corcoran, CA 93212

Lab ID : SP 408200-01
Customer ID: 2-21279

Sampled On : August 6, 2004-11:30
Sampled By : Jenifer McPhetridge
Received On: August 11, 2004-09:30
Matrix : Ground Water

Description : City of Corcoran Well 8A
Project : City of Corcoran Well 8A

Sample Results - Radio

Constituents	Result ± Error	Units	MCL	Preparation Method	Preparation Date/ID	Analysis Method	Analysis Date/ID
Radio Chemistry P:1 Gross Alpha	5.12 ± 1.19	pCi/L	15*	900.0	09/01/04:A207	900.0	09/09/2004:A01

MCL = Maximium Contaminat Level. Containers: (P) Plastic Preservatives: (1) Cool 4°C
* Including Radium but excluding Uranium. (Ref. Title 22 sec. 64441.)

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Wetlab Results

ARF: 45076

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Kenneth D. Schmidt & Assoc.
600 West Shaw Avenue Suite 250
Fresno, CA 93704

Attn: Cheryl Lassotovitch

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
APPL ID: AP73539	-Client Sample ID: City of Corcoran Well 8A -Sample Collection Date: 08/06/04				Project: City of Corcoran Well	
EPA 150.1	pH	8.5 @ 21.5	N/A	pH Units	08/06/04	08/06/04
EPA 180.1	Turbidity	1.8	0.10	NTU	08/06/04	08/06/04
EPA 425.1	MBAS	Not detected	0.02	mg/L	08/06/04	08/06/04
SM 2120B	Color	5.0	1.0	UNITS	08/06/04	08/06/04
SM 2150B	Odor	Not detected	1.0	T.O.N.	08/06/04	08/06/04

Printed: 11/03/05 11:19:21 AM

DUPLICATE
Driller's Copy
Page 1 of 1

Sent to J. @ Quadtwopt & DWR

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Owner's Well No. 9A
No. 1095719

Date Work Began 7-20-04 Ended 10-21-04
Local Permit Agency City of Corcoran
Permit No. NA Permit Date NA

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)
DRILLING METHOD Reverse Rotary FLUID Geltonite

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION Describe material, grain size, color, etc.
0	50	Clay & Sand
50	83	Fine to med. Sand
83	102	Sandy Clay
102	120	Brown Clay
120	135	Fine to medium Sand
135	165	Sandy Clay
165	172	Sand
172	183	Clay
183	203	Fine Sand & silt
203	232	Blue clay w/ Streaks of Sand
232	248	Medium to coarse Sand
248	486	Blue-gray Clay with interbedded Sand
486	552	Corcoran Clay
552	572	Medium to Coarse Sand
572	592	Blue-gray Clay
592	683	Sand
683	709	Clay & Sandy Clay
709	716	Fine to medium Sand
716	723	Clay
723	745	Sand
745	753	Clay
753	772	Medium to Coarse Sand
772	790	Sandy Clay
790	910	Fine to medium Sand little Clay
910	829	Sandy Clay
829	849	Medium to Coarse Sand & gravel
849	863	Clay
863	881	medium to Coarse Sand
881	900	Clay
900	910	Clay w/ some Fine Sand

TOTAL DEPTH OF BORING 910 (Feet)
TOTAL DEPTH OF COMPLETED WELL 890 (Feet)

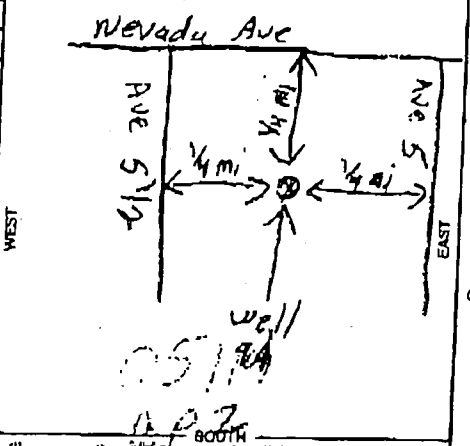
WELL OWNER

Name City of Corcoran
Mailing Address 1033 Chittenden Ave
City Corcoran CA 93212

WELL LOCATION

Address 1/4 mi. E. East of Ave 5 1/2 So of Nevada Ave
City Corcoran
County Kings
APN Book ____ Page ____ Parcel ____
Township 21S Range 22E Section 24
Lat ____ DEG. ____ MIN. ____ SEC. N
Long ____ DEG. ____ MIN. ____ SEC. W

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

✓ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify)
— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

USES (✓)

WATER SUPPLY
— Domestic ✓ Public
— Irrigation — Industrial
— MONITORING
— TEST WELL
— CATHODIC PROTECTION
— HEAT EXCHANGE
— DIRECT PUSH
— INJECTION
— VAPOR EXTRACTION
— SPARGING
— REMEDIATION
— OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER NA (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 148 (Ft.) & DATE MEASURED 10-21-04
ESTIMATED YIELD * 2600 (GPM) & TEST TYPE Constant Rate
TEST LENGTH 24 (Hrs.) TOTAL DRAWDOWN 165 (Ft.)
* May not be representative of a well's long-term yield.

CASING (S) Dual Cased well

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50	46			✓		A53 Gr B	35 1/4	.375	
0	500	34	✓				HSLA	20 3/4	.312	
230	485	34		✓			HSLA FF	20 3/4	.312	.040
500	505	34	✓				HSLA	20 3/4	16 .312	Reducer
505	890	28	✓				HSLA	16	.312	
560	870	28		✓			HSLA FF	16	.312	.060

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	175	✓			
175	180		✓		
180	910			✓	6X10 Col Sil
0	185			✓	3" Fill Pipe
0	505	16"	Inner		Casing
		N/A	Window		Section

ATTACHMENTS (✓)

— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analyses
— Other ____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Zim Industries Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 4545 E. Lincoln CITY Fresno STATE CA ZIP 93725
Signed Robert J. Zimmerman C-57 LICENSED WATER WELL CONTRACTOR
DATE SIGNED 11-20-04
C-57 LICENSE NUMBER 440537

DWR 188 REV. 10-93

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Wet Lab Analysis

Kenneth D. Schmidt & Assoc.
600 West Shaw Avenue Suite 250
Fresno, CA 93704

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Cheryl Lassotovitch

Project: City of Corcoran Well 9A

Sample ID: City of Corcoran Well 9A

Sample Collection Date: 10/28/04

APPL ID: AP77813

ARF: 45790

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 180.1	Turbidity	0.23	0.10	NTU	10/29/04	10/29/04
EPA 425.1	MBAS	Not detected	0.02	mg/L	10/29/04	10/29/04
SM 2120B	Color	18.0	1.0	UNITS	10/29/04	10/29/04
SM 2150B	Odor	Not detected	1.0	T.O.N.	10/29/04	10/29/04

November 18, 2004

Kenneth D. Schmidt & Associates

Lab ID : SP 411470-01
Customer ID: 2-6051
Description : City of Corcoran Well 9A

Sample Results - Inorganic

Constituent	Results	PQL	Units	MCL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Metals, Diss P:1								
Aluminum	ND	0.01	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Antimony	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/09/2004:A01
Arsenic	0.031	0.002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Barium	0.0207	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Beryllium	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Cadmium	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Chromium	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Lead	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/09/2004:A01
Mercury	0.00003	0.00002	mg/L		7470A	11/09/04:A212	245.1	11/11/2004:B04
Nickel	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Selenium	ND	0.002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Silver	ND	0.001	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Thallium	ND	0.0002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05
Vanadium	ND	0.002	mg/L		200.8	11/05/04:A204	200.8	11/05/2004:A05

ND=Non-Detect. PQL=Practical Quantitation Limit. ♦ PQL adjusted for dilutions, concentrations, dry weight reporting, or limited sample.
MCL = Maximium Contaminat Level. ² - Secondary Standard.
Containers: (P) Plastic Preservatives: (1) Cool 4°C, (5) HNO3 pH < 2, (4) H2SO4 pH < 2

November 18, 2004

Kenneth D. Schmidt & Associates
600 West Shaw Avenue, #250
Fresno, CA 93704

Lab ID : SP 411470-01
Customer ID: 2-6051

Sampled On : October 29, 2004-13:30
Sampled By : Cheryl Lassotovitch
Received On: November 3, 2004-10:00
Matrix : Ground Water

Description : City of Corcoran Well 9A
Project : City of Corcoran Well 9A

Sample Results - Radio

Constituents	Result ± Error	Units	MCL	Preparation Method	Preparation Date/ID	Analysis Method	Analysis Date/ID
Radio Chemistry P:1							
Gross Alpha	3.32 ± 1.02	pCi/L	15*	900.0	11/05/04:A207	900.0	11/09/2004:A01
Uranium	0.611 ± 0.672	pCi/L	20	908.0	11/08/04:A218	908.0	11/11/2004:A01

MCL = Maximium Contaminat Level. Containers: (P) Plastic Preservatives: (1) Cool 4°C

* Including Radium but excluding Uranium. (Ref. Title 22 sec. 64441.)

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November 18, 2004

Kenneth D. Schmidt & Associates
600 West Shaw Avenue, #250
Fresno, CA 93704

Lab ID : SP 411470-01
Customer ID: 2-6051

Sampled On : October 29, 2004-13:30
Sampled By : Cheryl Lassotovitch
Received On: November 3, 2004-10:00
Matrix : Ground Water

Description : City of Corcoran Well 9A
Project : City of Corcoran Well 9A

Sample Results - Inorganic

Constituent	Results	PQL	Units	MCL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
General Mineral P:1,5,4								
Total Hardness	25.0	2.5	mg/L		Calculation		Calculation	
Calcium	10	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Magnesium	ND	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Potassium	ND	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Sodium	44	1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Total Cations	2.4	--	meq/L		Calculation		Calculation	
Boron	0.1	0.1	mg/L		200.7	11/09/04:A203	200.7	11/09/2004:A02
Copper	ND	10	ug/L	1000[2]	200.7	11/09/04:A203	200.7	11/09/2004:A02
Iron	ND	50	ug/L	300[2]	200.7	11/09/04:A203	200.7	11/09/2004:A02
Manganese	30	10	ug/L	50[2]	200.7	11/09/04:A203	200.7	11/09/2004:A02
Zinc	ND	20	ug/L	5000[2]	200.7	11/09/04:A203	200.7	11/09/2004:A02
Total Alkalinity (as CaCO3)	90	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Hydroxide	ND	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Carbonate	ND	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Bicarbonate	120	10	mg/L		2320B	11/05/04:A202	2320B	11/05/2004:A01
Sulfate	12	1	mg/L	500[2]	300.0	11/03/04:A215	300.0	11/04/2004:A03
Chloride	12	1	mg/L	500[2]	300.0	11/03/04:A215	300.0	11/04/2004:A03
Nitrate	ND	0.4	mg/L	45	4500NO3F	11/10/04:A220 12:05	4500NO3F	11/10/2004:F01 15:24
Nitrite as N	ND	0.1	mg/L	1	300.0	11/03/04:A215 19:00	300.0	11/04/2004:A03 02:41
Fluoride	0.6	0.1	mg/L	2	300.0	11/03/04:A215	300.0	11/04/2004:A03
Total Anions	2.6	--	meq/L		Calculation		Calculation	
pH	8.5	--	units		4500-H B	11/03/04:A246	4500-H B	11/03/2004:A01 19:44
Specific Conductance	245	1	umhos/cm	1600[2]	2510B	11/04/04:B212	2510B	11/04/2004:A01
Total Dissolved Solids	160	40	mg/L	1000[2]	2540C	11/04/04:A235	2540 C,E	11/05/2004:A00
MBAS (foaming agents)	ND	0.1	mg/L	0.5[2]	5540C	11/03/04:A218 19:00	5540C	11/03/2004:A01 19:40
Aggressiveness Index	11.9	1.0	mg/L		Calculation		Calculation	
Langlier Index	0.0	1.0	mg/L		Calculation		Calculation	

Table continued next page...

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ALPAUGH JPA

ORIGINAL
File with DWR

Page 1 of ____
Owner's Well No. 11

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. 1095876

Date Work Began 6-20-04, Ended 7-27-04
Local Permit Agency Tulare County Envir. Health
Permit No. 7656 Permit Date 6-20-04

DWR USE ONLY — DO NOT FILL IN
23S/23E-34J
STATE WELL NO./STATION NO.
LATITUDE ____ LONGITUDE ____
APN/TRS/OTHER

GEOLOGIC LOG

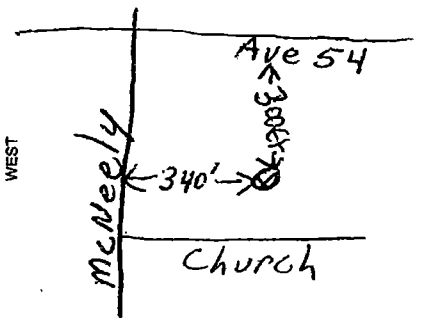
ORIENTATION (✓) ✓ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD Reverse Rotary FLUID Bentonite

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	10	Silt, sandy clay
10	12	Silt & sand (water)
12	34	Brown clay
34	36	Sand
36	40	Sticky gray clay
40	43	Sand
43	45	Gray clay
45	47	Sand
47	60	Sandy clay
60	110	Fine sand & clay
110	210	Silty clay
210	310	Silty clay & fine sand
310	430	Sand & silty clay
430	440	Silty gray clay
440	620	Blue clay (corcoran clay)
620	660	Sand & silty clay
660	690	Blue, gray clay
690	730	Fine sand & silty clay
730	760	Silty clay
760	910	Blue gray clay
910	930	Silty sandy clay
930	960	Fine sand & silt
960	1020	Blue gray clay
1020	1120	Fine sand & clay
1120	1140	Silt & clay
1140	1190	Sandy silty clay
1190	1220	Med sand little clay
1220	1245	Blue gray clay

TOTAL DEPTH OF BORING 1245 (Feet)
TOTAL DEPTH OF COMPLETED WELL 1230 (Feet)

WELL OWNER
Name Alpaugh Joint Powers Authority
Mailing Address PO 362
City Alpaugh CA 93201
CITY STATE ZIP

WELL LOCATION
Address McNeely Rd & Church Ave
City Alpaugh
County Tulare
APN Book 311 Page 120 Parcel 36
Township 23 Range 23 Section 34
Lat ___ DEG. ___ MIN. ___ SEC. N Long ___ DEG. ___ MIN. ___ SEC. W

LOCATION SKETCH
NORTH


SOUTH
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
✓ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

USES (✓)
WATER SUPPLY
___ Domestic ✓ Public
___ Irrigation ___ Industrial
MONITORING ___
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER 10 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 314.75 (Ft.) & DATE MEASURED 7-26-04
ESTIMATED YIELD * 1050 (GPM) & TEST TYPE Constant
TEST LENGTH 12 (Hrs.) TOTAL DRAWDOWN 79.27 (Ft.)
** May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	50	42			✓		A53 Gr B	31 3/8	.312	
0	1230	26	✓				HSLA	13 7/8	.375	
1005	1025	26	✓				HSLA	13 7/8	.375	Compression 5T
1025	1085	26		✓			FF Louvers	14	.312	.050
1160	1210	26		✓			FF Louvers	14	.312	.050
0	985	26			✓		Steel Sch 40	13 3/8	.330	Gravel Pack
985	1005									Solid Pipe

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	50	✓			
0	975	✓			
975	980		✓		
980	1245			✓	8X20 Colsil

ATTACHMENTS (✓)
___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
___ Other ____
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME Zim Industries Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
4545 E Lincoln Fresno CA 93725
ADDRESS CITY STATE ZIP
Signed Robert J Zimmerman 8-26-04 440537
C-57 LICENSED WATER WELL CONTRACTOR DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 05-03 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM OSP 03 78836

BC Laboratories, Inc

KENNETH D. SCHMIDT AND ASSOC.
3701 PEGASUS DRIVE.,SUITE 112
BAKERSFIELD, CA 93308
Attn: JIM ANGELL

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	07/27/2004 @ 14:15
Project Number	---	**Sampling Date/Time**	07/27/2004 @ 09:20
Sampling Location	---	**Sample Depth**	---
Sampling Point	ALPAUGH JPA	**Sample Matrix**	Drinking Water
Sampled By	JENIFER MCPHETRIDGE	**BCL Sample ID**	04-07685-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Recoverable Calcium	10	mg/L	0.05	0.011	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Magnesium	1.8	mg/L	0.05	0.0063	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Sodium	68	mg/L	0.5	0.031	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Potassium	2.6	mg/L	1	0.071	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Cations	3.67	meq/L	0.1		Calculated									
Hydroxide	< PQL	mg/L	0.81	0.81	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BDB	1	283-101376	ND	
Carbonate	14	mg/L	1.5	1.5	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BDB	1	283-101376	ND	
Bicarbonate	180	mg/L	2.9	2.9	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BDB	1	283-101376	ND	
Sulfate	< PQL	mg/L	1	0.098	EPA-300.0	07/27/04	07/27/04	20:03	ES1	IC1	1	268-103088	ND	
Chloride	8.8	mg/L	0.5	0.061	EPA-300.0	07/27/04	07/27/04	20:03	ES1	IC1	1	268-103088	ND	
Nitrate as NO3	< PQL	mg/L	0.44	0.069	EPA-300.0	07/27/04	07/27/04	20:03	ES1	IC1	1	268-103088	ND	
Fluoride	0.82	mg/L	0.05	0.0063	EPA-300.0	07/27/04	07/27/04	20:03	ES1	IC1	1	268-103088	ND	
Total Anions	3.66	meq/L	0.1		Calculated									
pH	8.33	pH Units	0.05	0.05	EPA-150.1	07/29/04	07/29/04	09:30	JSM	B360	1	257-101918		
Electrical Conductivity @ 25 C	336	umhos/cm	1	1	EPA-120.1	07/29/04	07/29/04	09:30	JSM	CND-3	1	196-101751		
Total Dissolved Solids @ 180 C	218	mg/L	20	10	EPA-160.1	07/30/04	07/30/04	19:30	MV1	MANUAL	2	284-102531	ND	
Color	20	Color Units	1	1	EPA-110.2	07/28/04	07/28/04	06:55	JSM	MANUAL	1	193-100515		
Odor	1	Odor Units	1	1	EPA-140.1	07/28/04	07/28/04	06:55	JSM	MANUAL	1	256-100465	No Obs Odor	
Turbidity	2.7	NT Units	0.1	0.1	EPA-180.1	07/28/04	07/28/04	06:55	JSM	T2100	1	262-100988		
MBAS	< PQL	mg/L	0.1	0.04	EPA-425.1	07/28/04	07/28/04	11:00	CEH	SPEC05	2	235-100801	ND	A01
Hardness as CaCO3	32	mg/L	0.5		SM-2340B									
Alkalinity as CaCO3	170	mg/L	2.5	2.5	EPA-310.1	07/29/04	07/29/04	08:10	JSM	BDB	1	283-101376	ND	

BC Laboratories, Inc

Water Analysis (General Chemistry)

Sample Description	ALPAUGH JPA, 07/27/2004 @ 09:20, JENIFER MCPHETRIDGE

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Langlier Index	+0.05	-			Calculated									
Total Cyanide	< PQL	mg/L	0.02	0.0063	EPA-335.3	07/29/04	07/30/04	05:20	MRM2	AAII-1	1	216-100926	ND	
Nitrite as N	< PQL	ug/L	20	10	EPA-353.2	07/28/04	07/28/04	15:20	PDL	KONE-1	1	390-100474	ND	
Hydrogen Sulfide (H2S)	< PQL	mg/L	0.1		Calculated									
Dissolved Sulfide	< PQL	mg/L	0.1	0.050	EPA-376.2	07/29/04	07/29/04	04:15	MRM2	SPEC05	1	241-100568	ND	

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.

Comments

The Langlier Index indicates the tendency to deposit CaCO3.

California DOHS Certification #1186

cc: ALPAUGH JOINT POWERS AUTHORITY - G. GREGORY

BC Laboratories, Inc

KENNETH D. SCHMIDT AND ASSOC.
3701 PEGASUS DRIVE.,SUITE 112
BAKERSFIELD, CA 93308
Attn: JIM ANGELL

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	07/27/2004 @ 14:15
Project Number	---	**Sampling Date/Time**	07/27/2004 @ 09:20
Sampling Location	---	**Sample Depth**	---
Sampling Point	ALPAUGH JPA	**Sample Matrix**	Drinking Water
Sampled By	JENIFER MCPHETRIDGE	**BCL Sample ID**	04-07685-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Silicon as SiO2	34000	ug/L	200	17	EPA-6010	08/02/04	08/03/04	17:58	ARD	PE-OP2	1	385-101381	ND	
Total Recoverable Aluminum	< PQL	ug/L	50	14	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Antimony	< PQL	ug/L	2	0.25	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Arsenic	18	ug/L	2	0.77	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Barium	38	ug/L	10	0.94	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Beryllium	< PQL	ug/L	1	0.018	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Boron	220	ug/L	100	7.4	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Cadmium	< PQL	ug/L	1	0.012	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Chromium	< PQL	ug/L	10	0.44	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Copper	< PQL	ug/L	10	0.87	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Iron	61	ug/L	50	2.1	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Lead	< PQL	ug/L	1	0.027	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Manganese	49	ug/L	10	0.31	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Mercury	< PQL	ug/L	0.2	0.050	EPA-245.1	07/28/04	07/29/04	16:15	JEE2	CETAC1	1	215-101361	ND	
Total Recoverable Nickel	< PQL	ug/L	10	2.3	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Selenium	22	ug/L	2	0.34	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Silver	< PQL	ug/L	10	1.2	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	
Total Recoverable Thallium	1.6	ug/L	1	0.045	EPA-200.8	07/28/04	07/28/04	15:09	TMS	PE-EL1	1	352-101462	ND	
Total Recoverable Zinc	< PQL	ug/L	50	5.4	EPA-200.7	07/29/04	08/03/04	14:57	ARD	PE-OP2	1	385-101378	ND	

TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

Established 1931

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REPORT

Client: BC Laboratories
4100 Atlas Court
Bakersfield, CA93308
Attention: W.Underwood

Report Date: August 13, 2004
Date Received: July 30, 2004
Laboratory No: 933500

Sample: Water/1

Investigation: **Gross Alpha Analysis**

Analytical Results

Sample ID:	Method	Activity pCi/L	Two Sigma Error	MDA pCi/L	Date Analyzed
04-07685-1	SM7110C	2.81	+/- 0.96	1.12	08/12/04

Respectfully submitted,
TRUESDAIL LABORATORIES, INC

Rossina Tomova, Project Manager
Radiochemistry Group